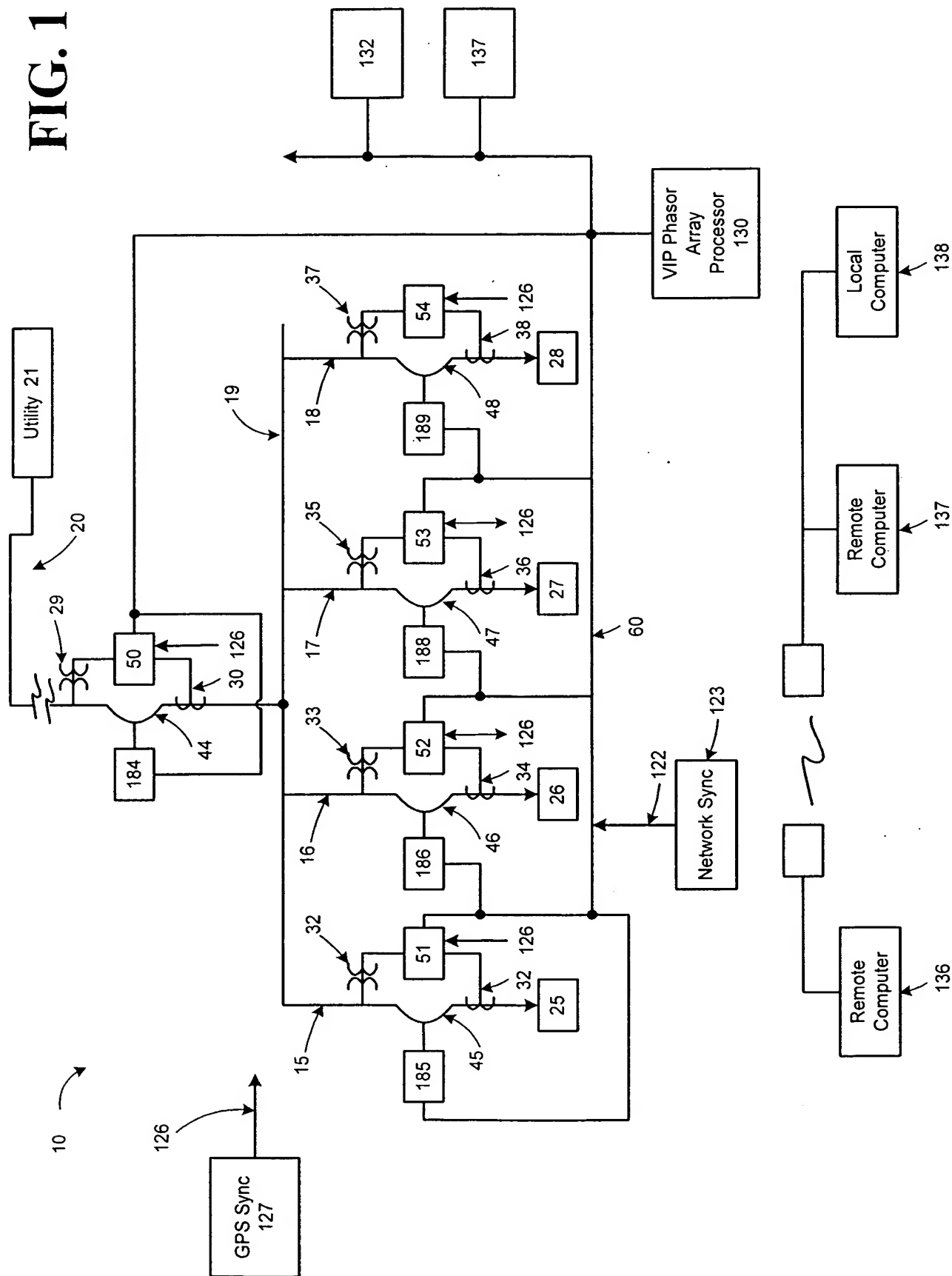


FIG. 1



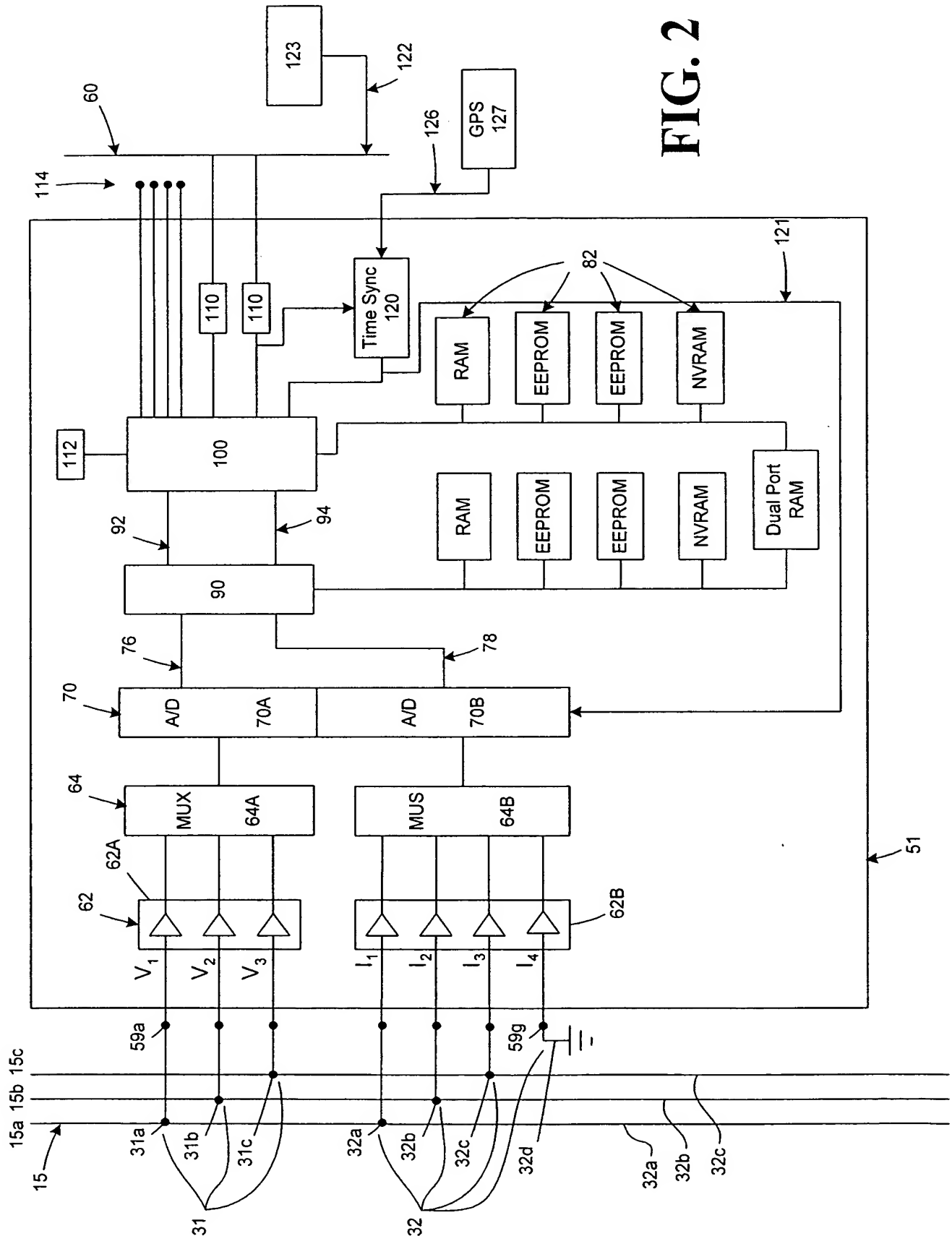


FIG. 3

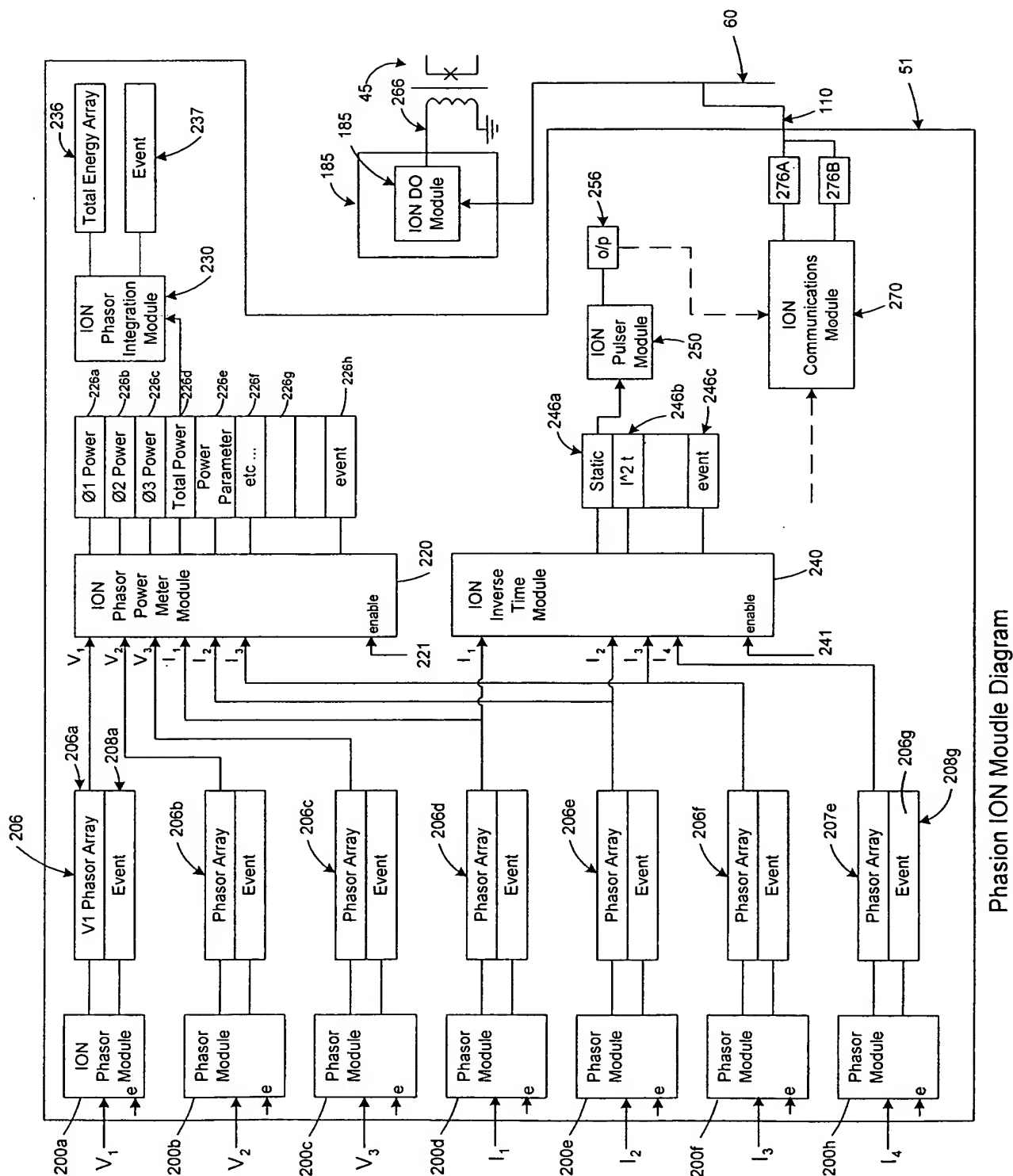
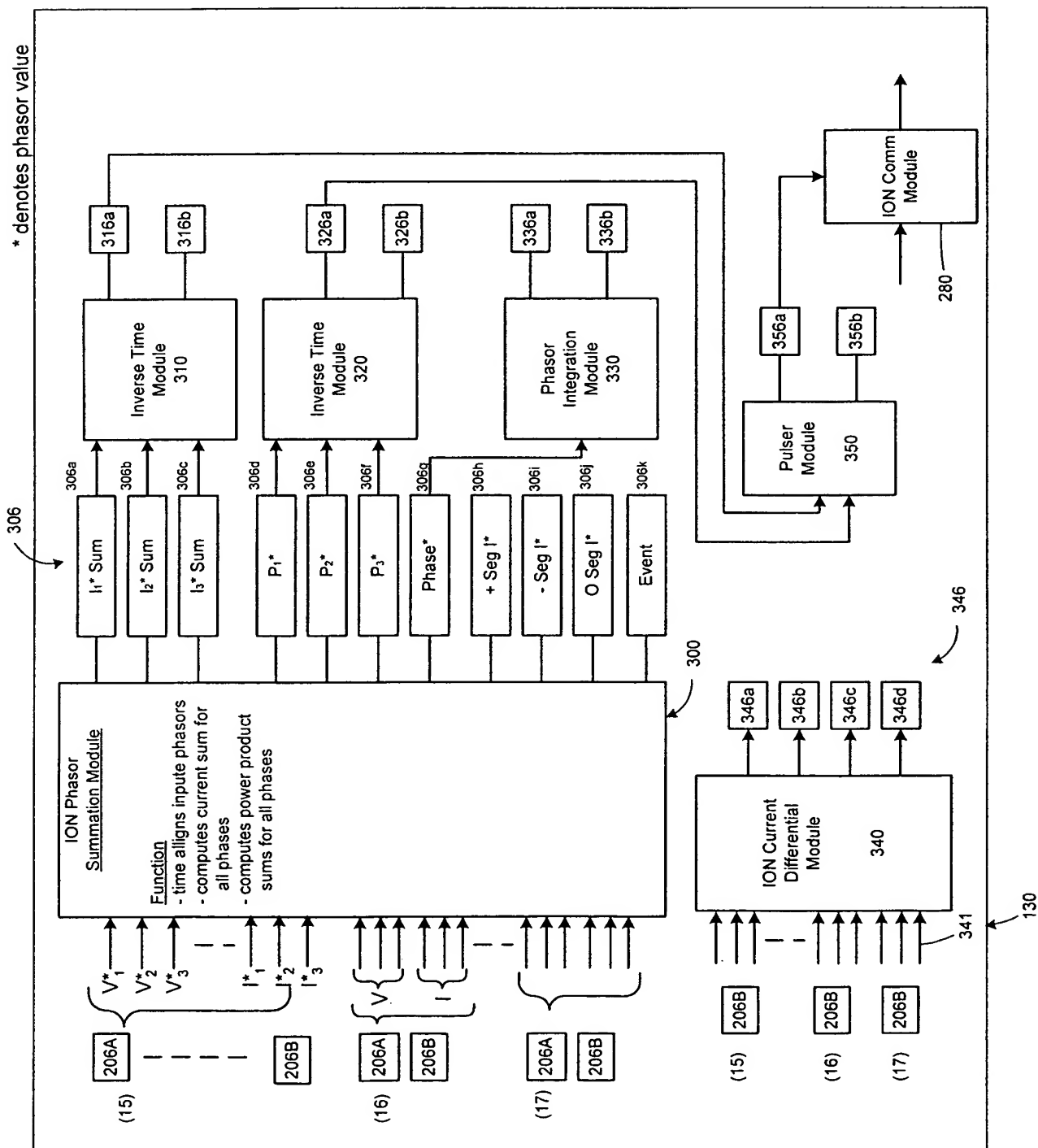


FIG. 4



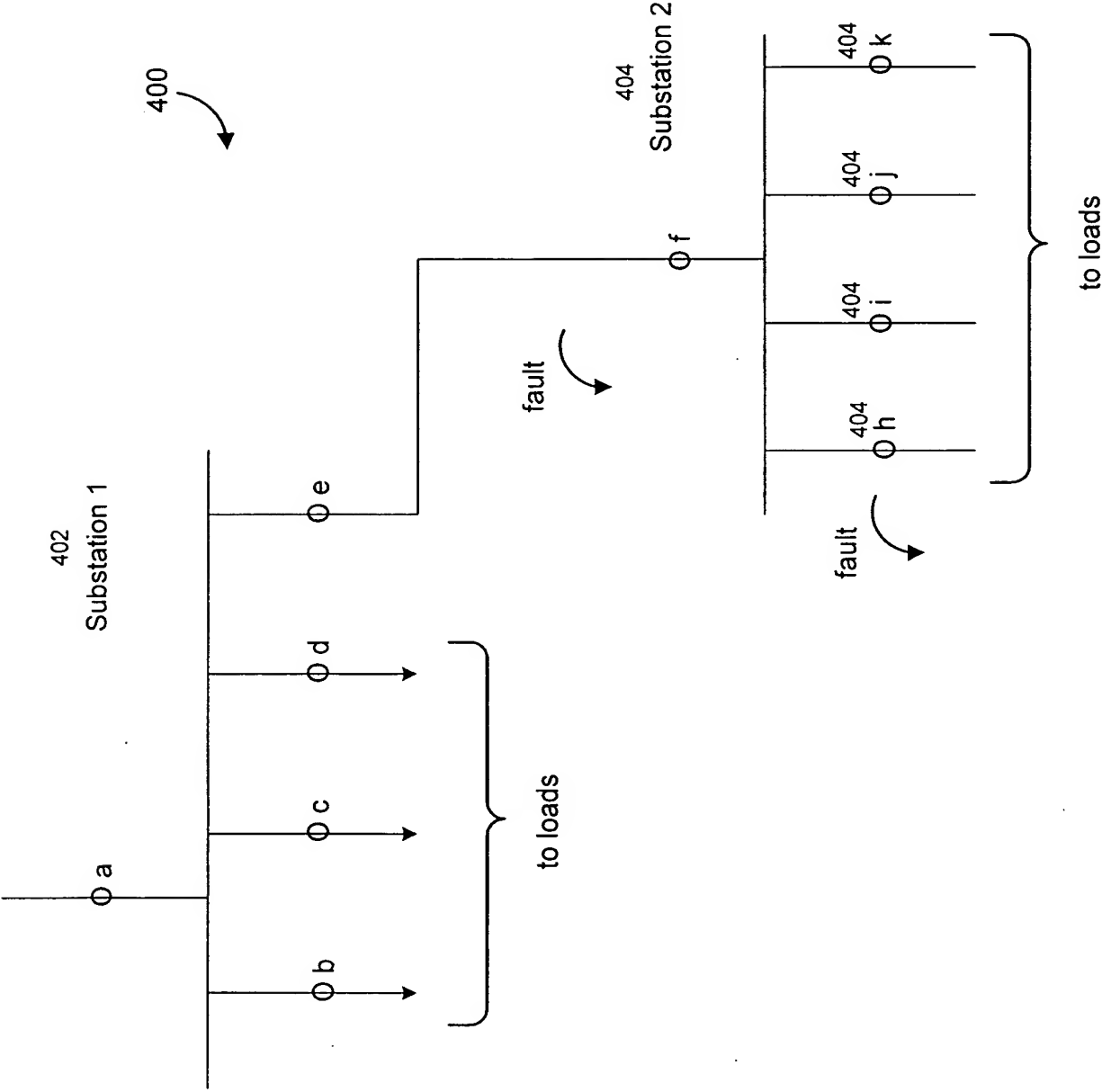


FIG. 5

FIG. 6

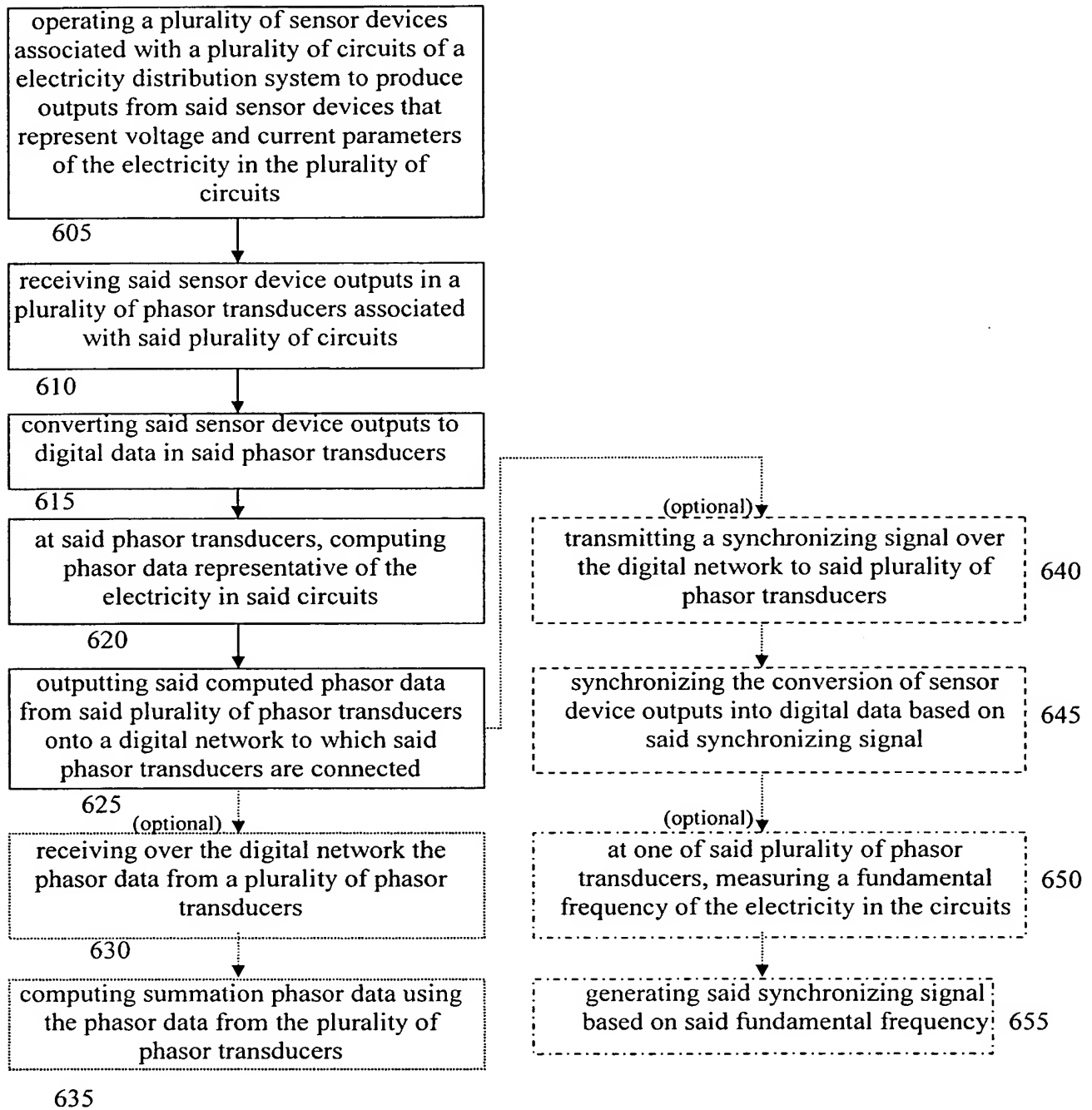


FIG. 7

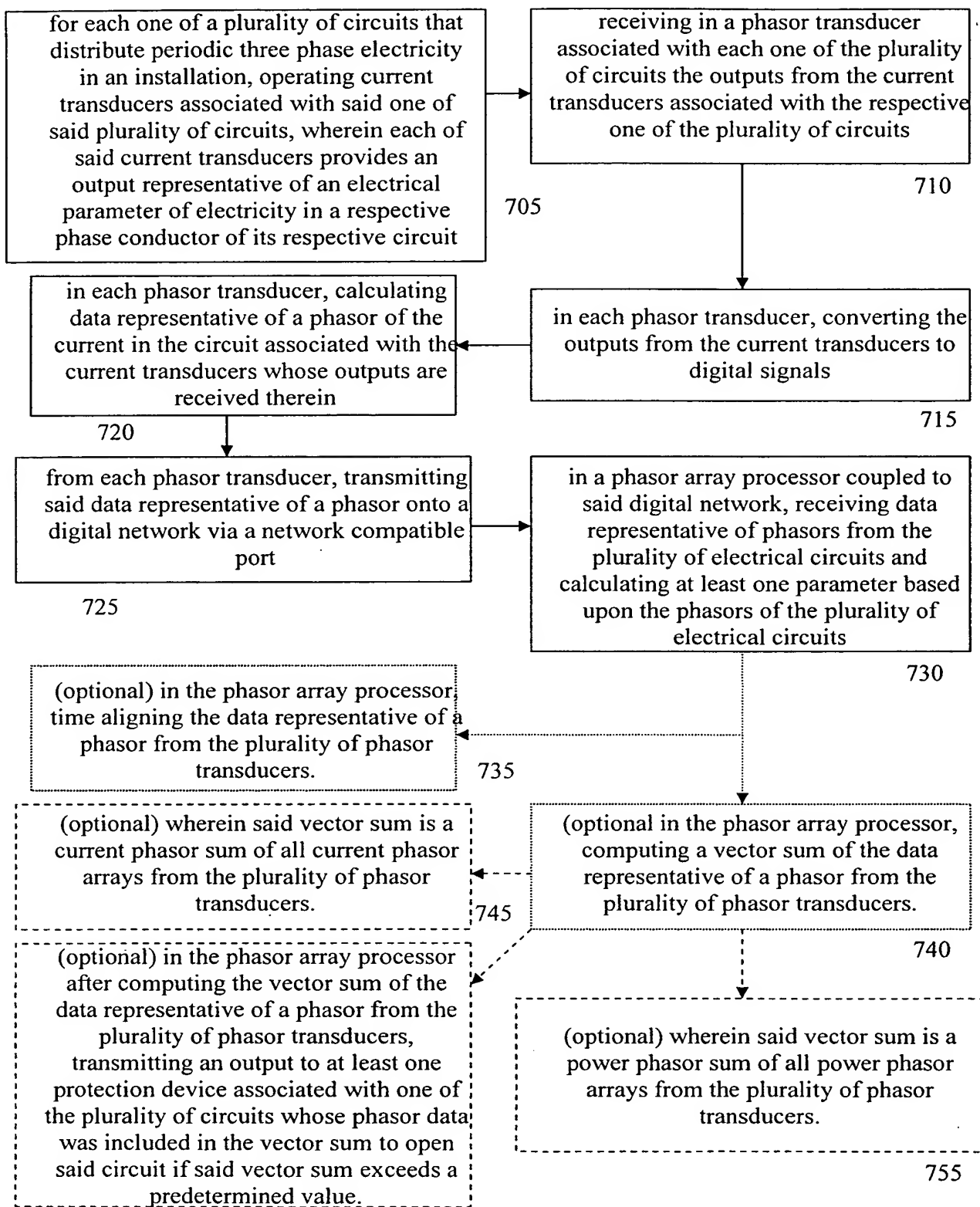




FIG. 9

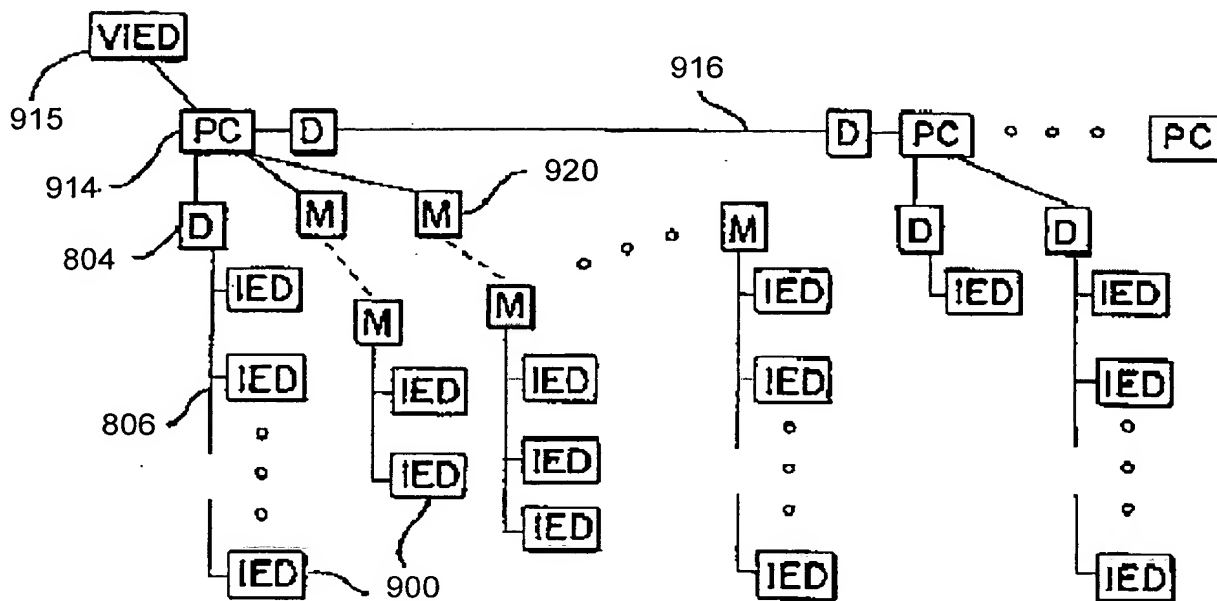


FIG. 11

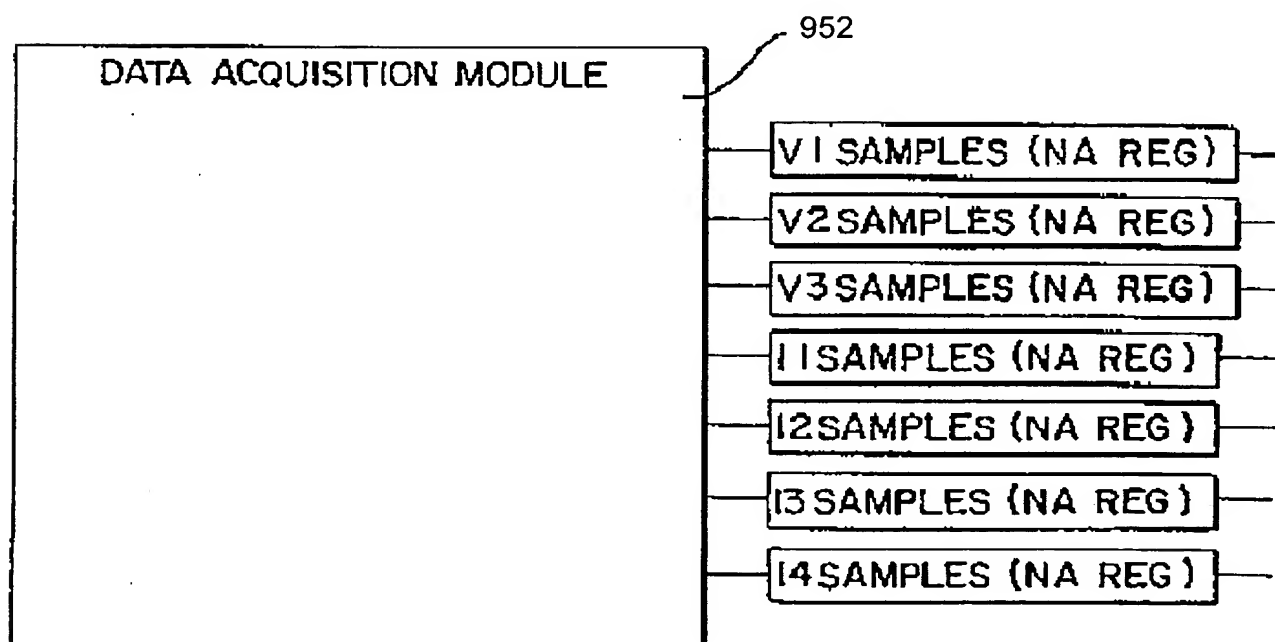
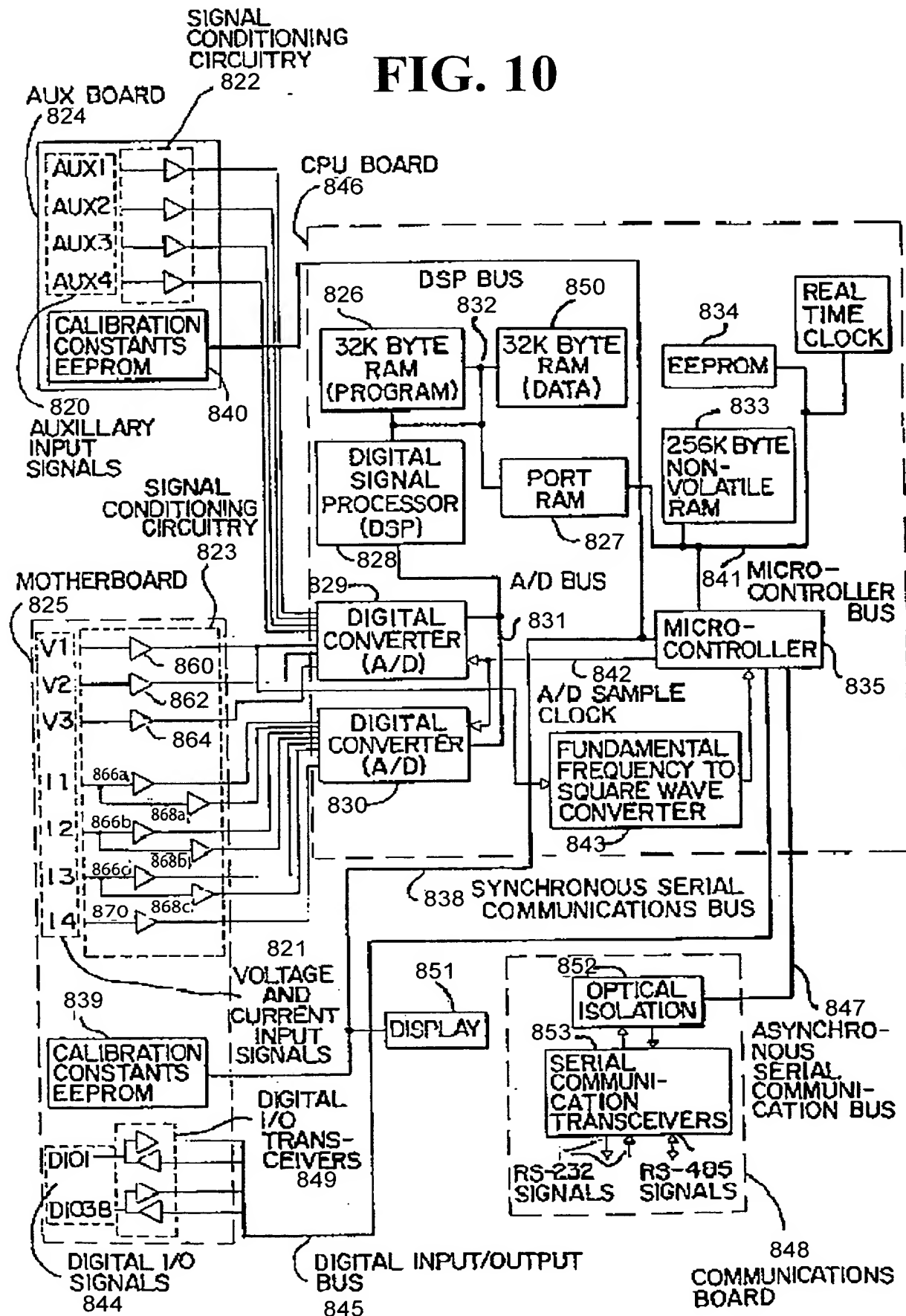


FIG. 10



DATA ACQUISITION
MODULE
OPERATION (CLIENT
PORTION)

FIG. 11A

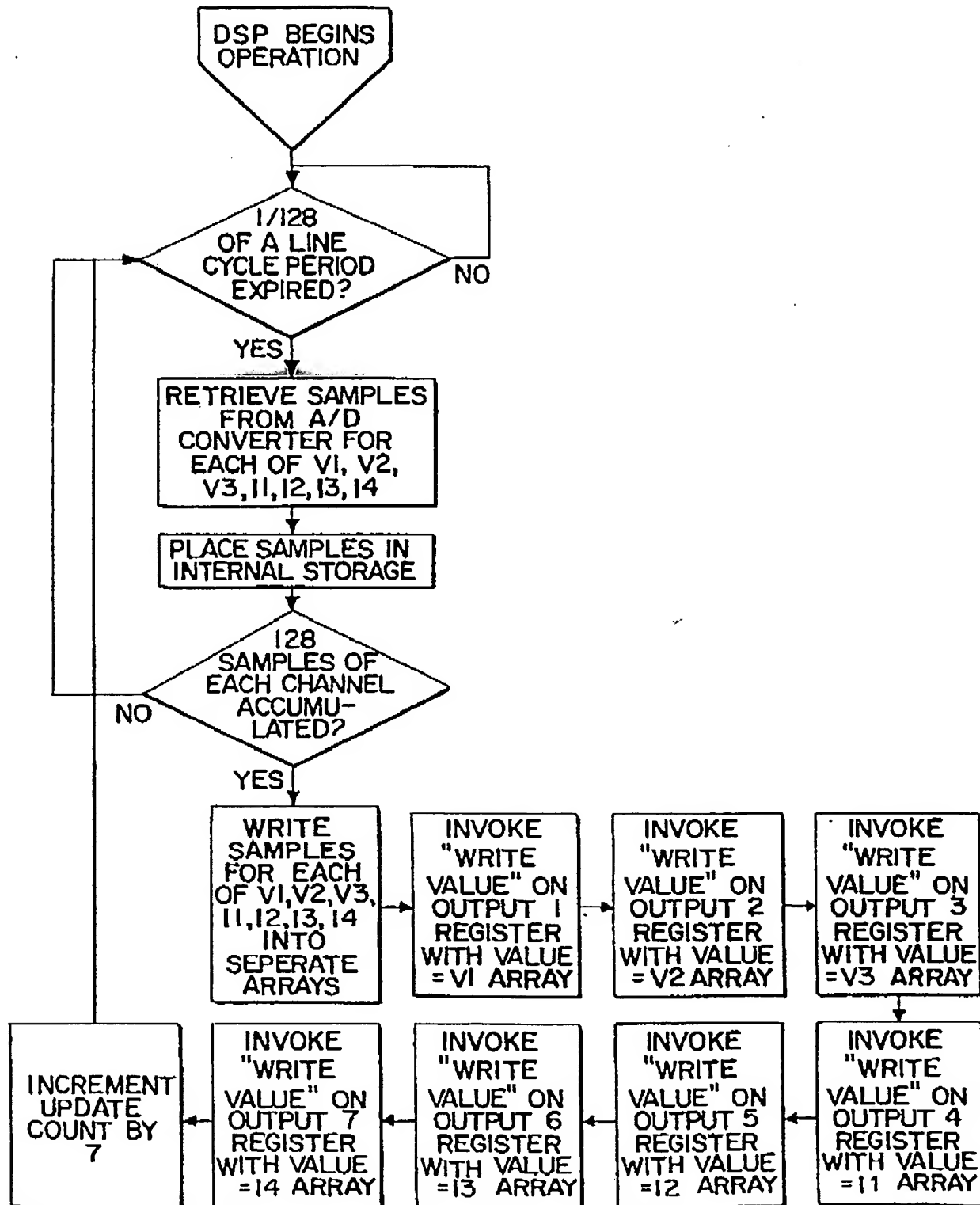
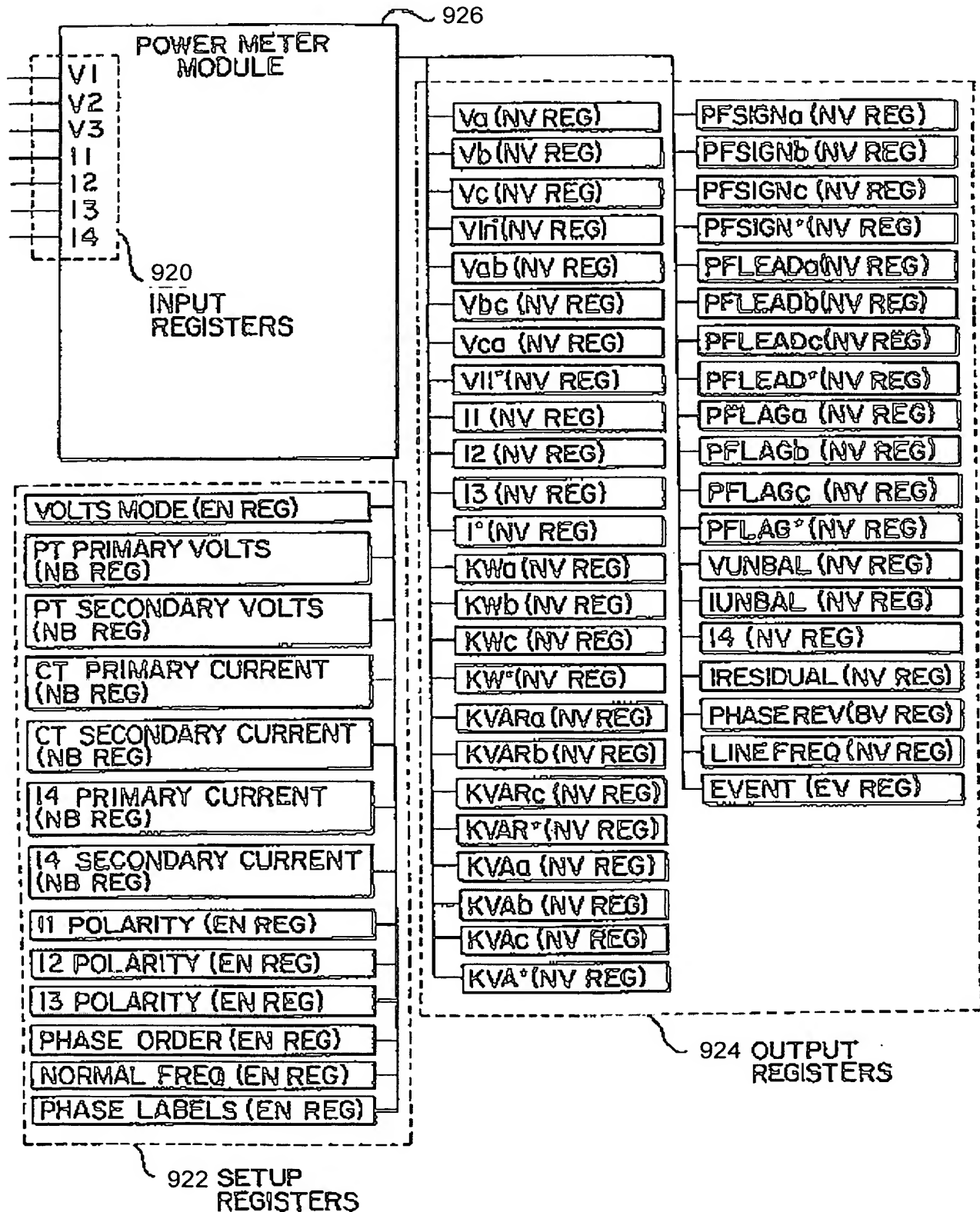
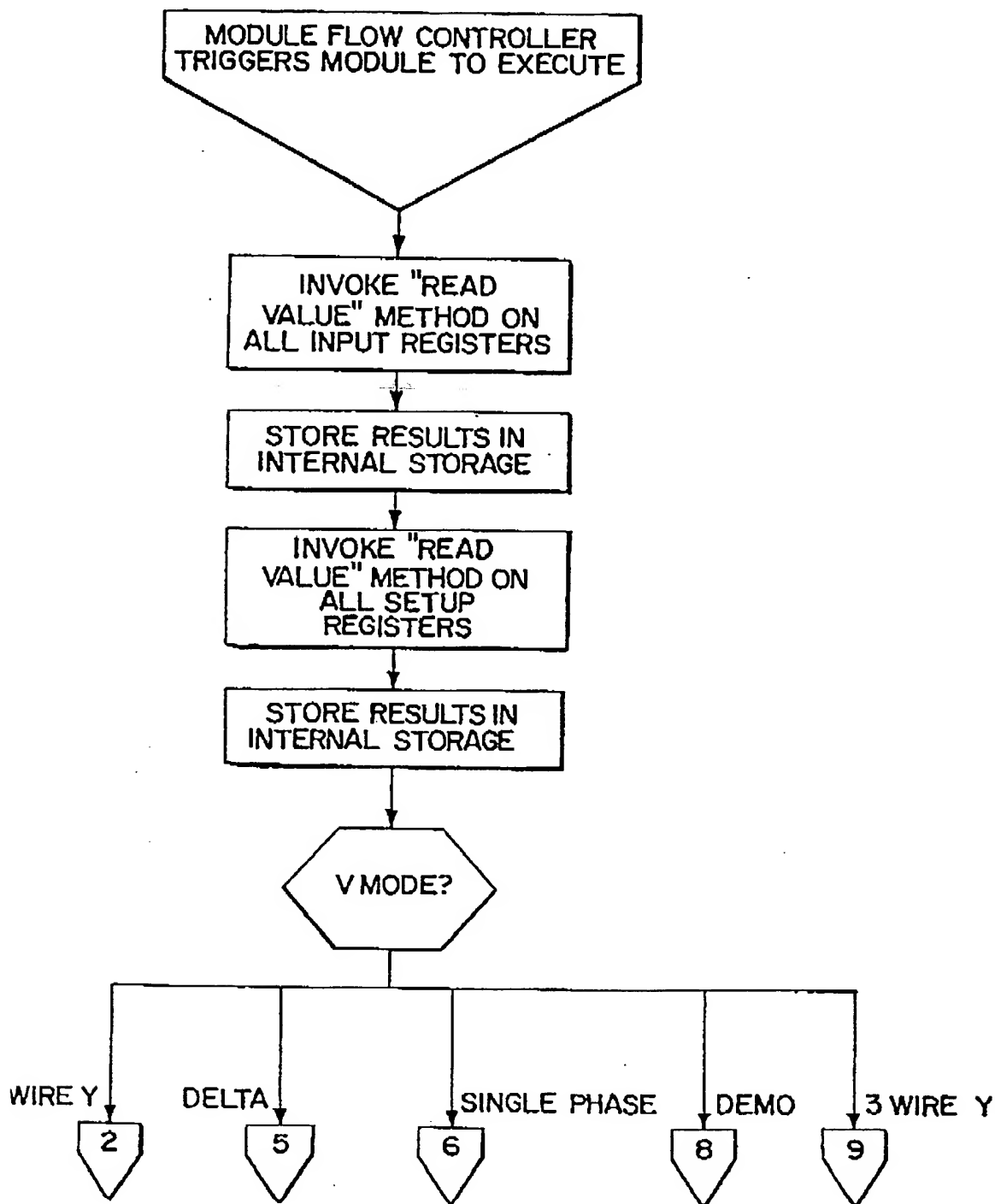


FIG. 12



POWER METER
MODULE
OPERATION
(CLIENT PORTION)

FIG. 12A



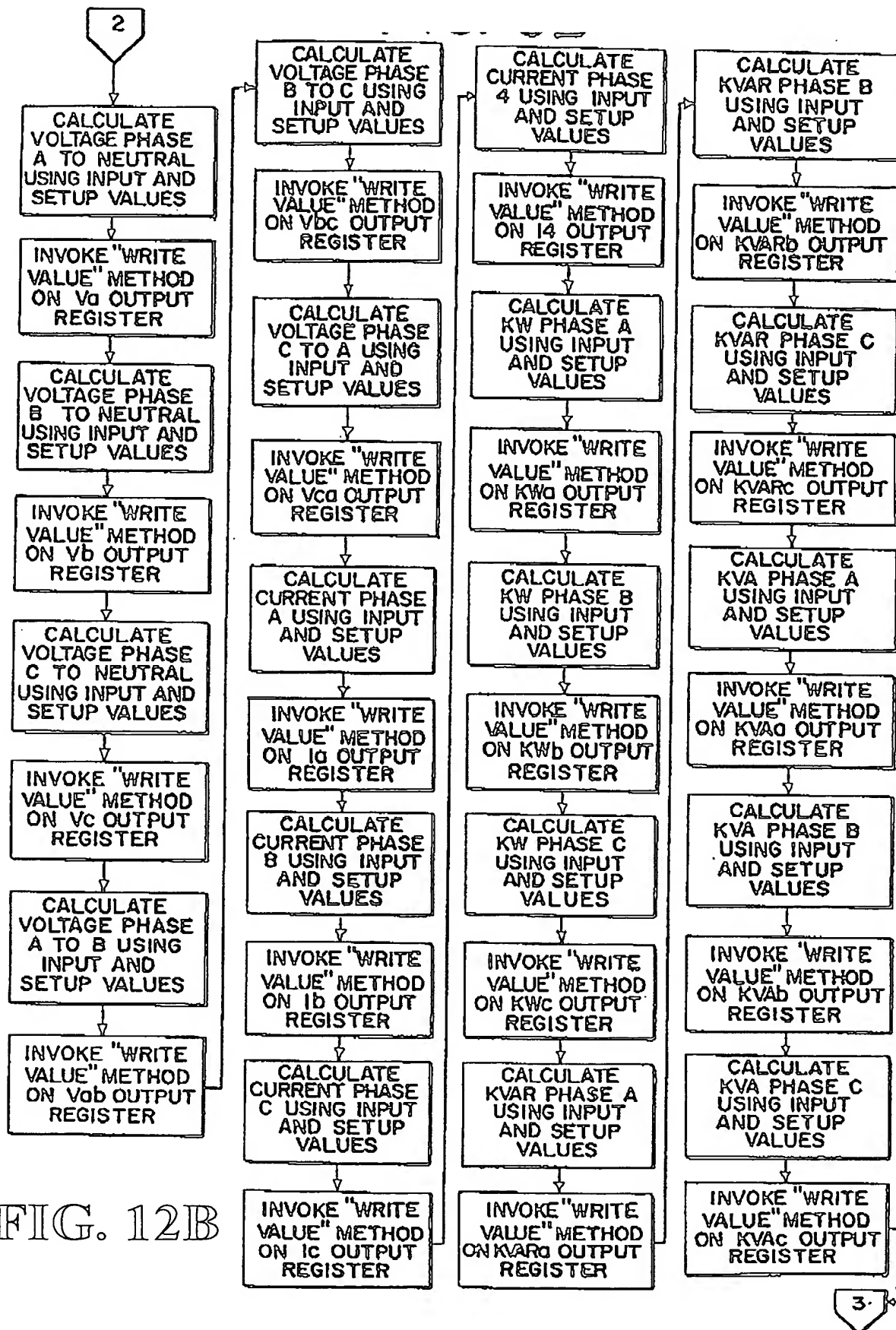


FIG. 12C

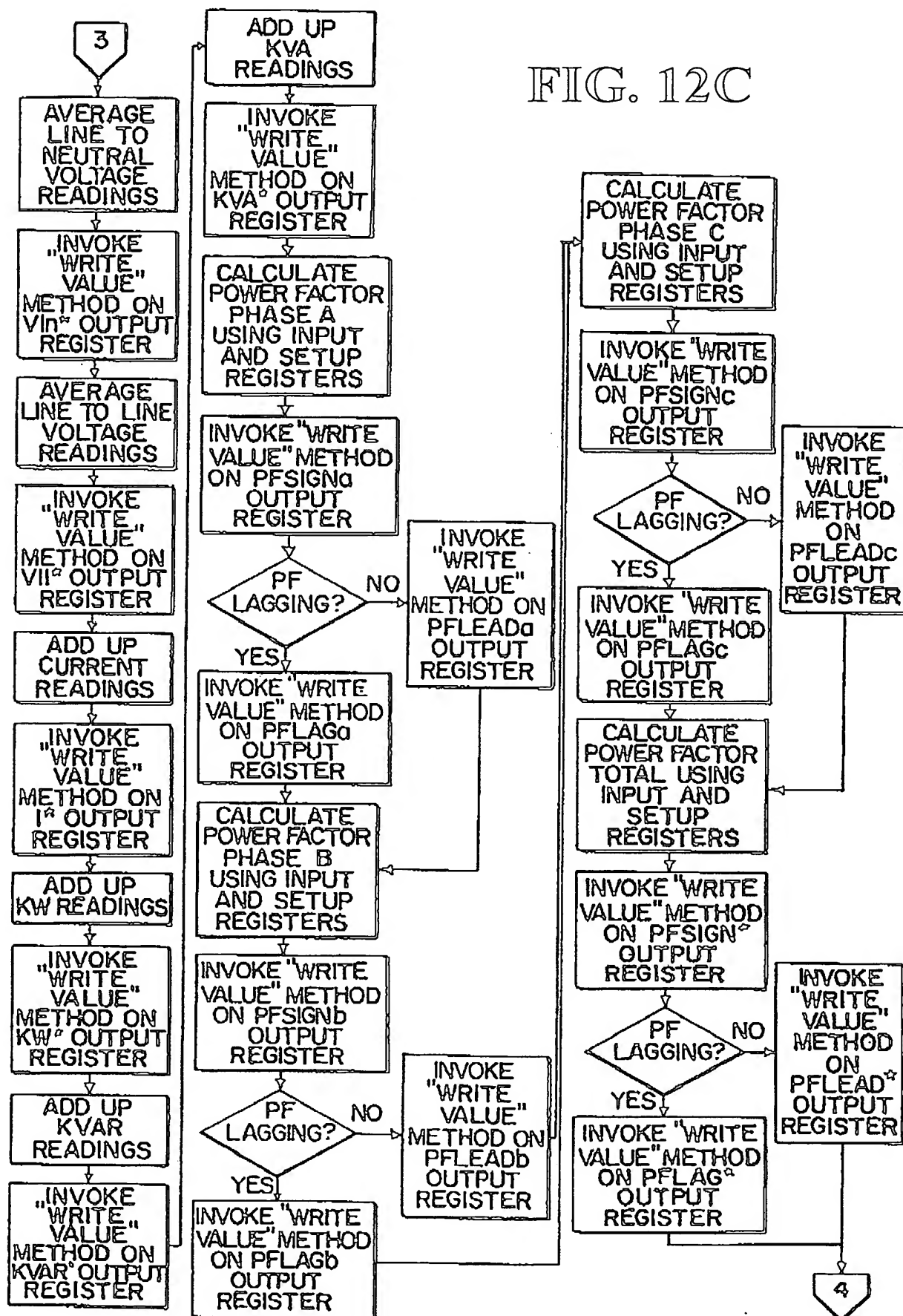


FIG. 12D

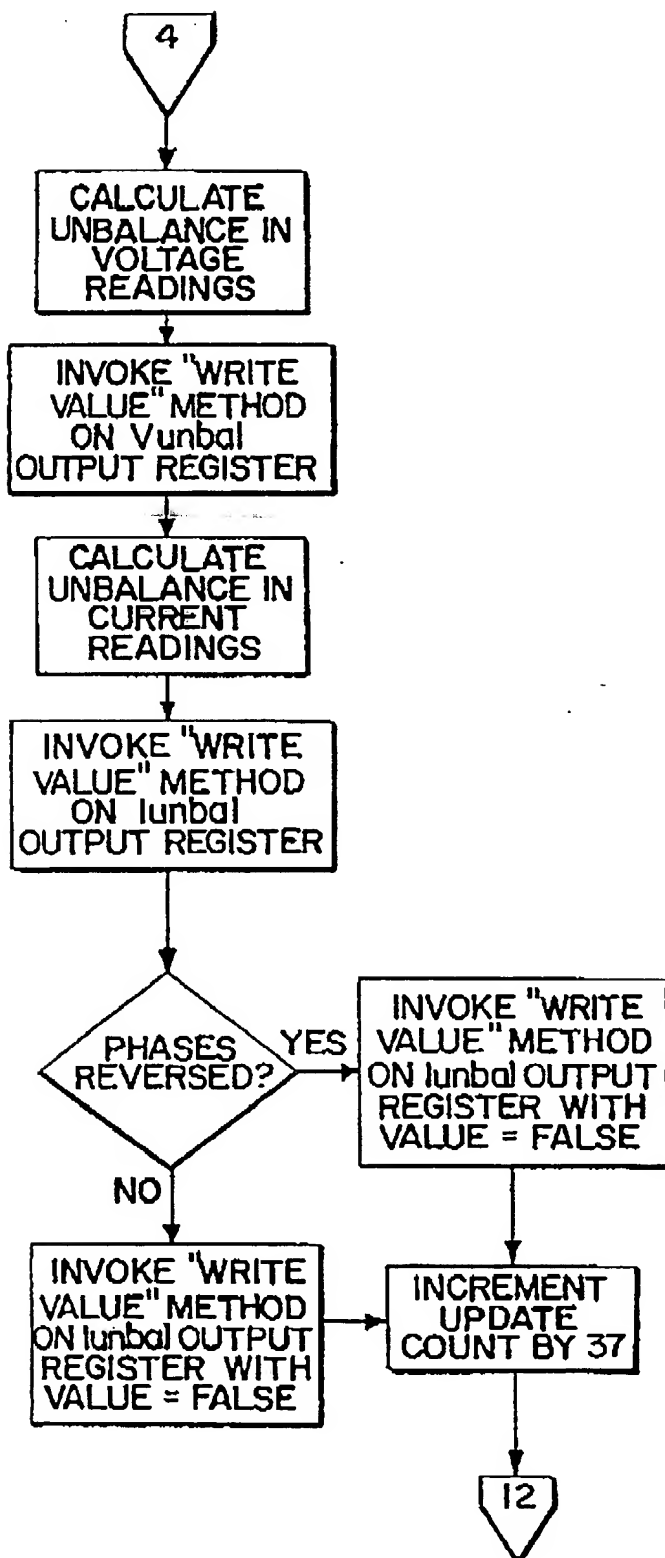


FIG. 12H

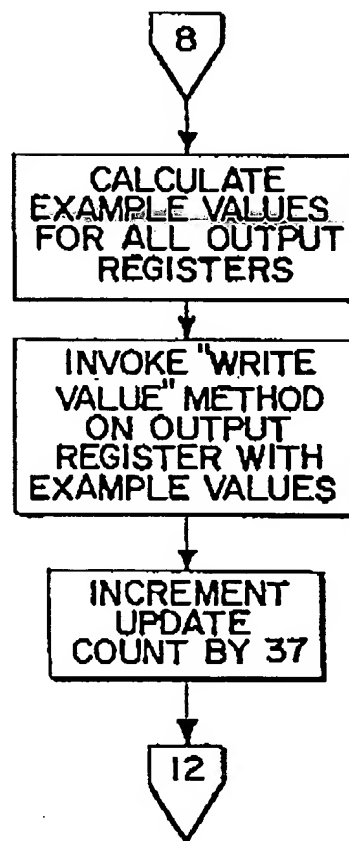


FIG. 12E

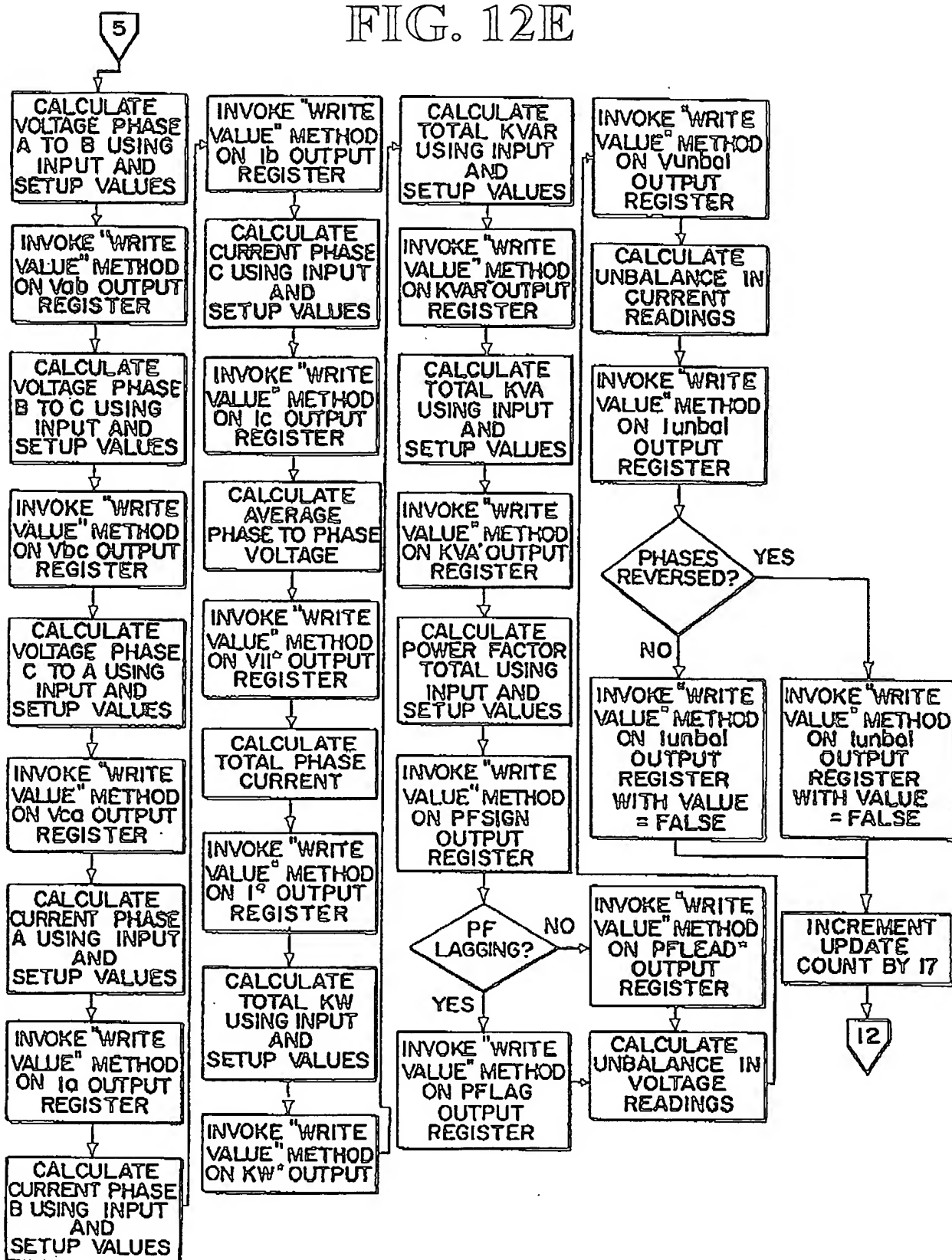


FIG. 12F

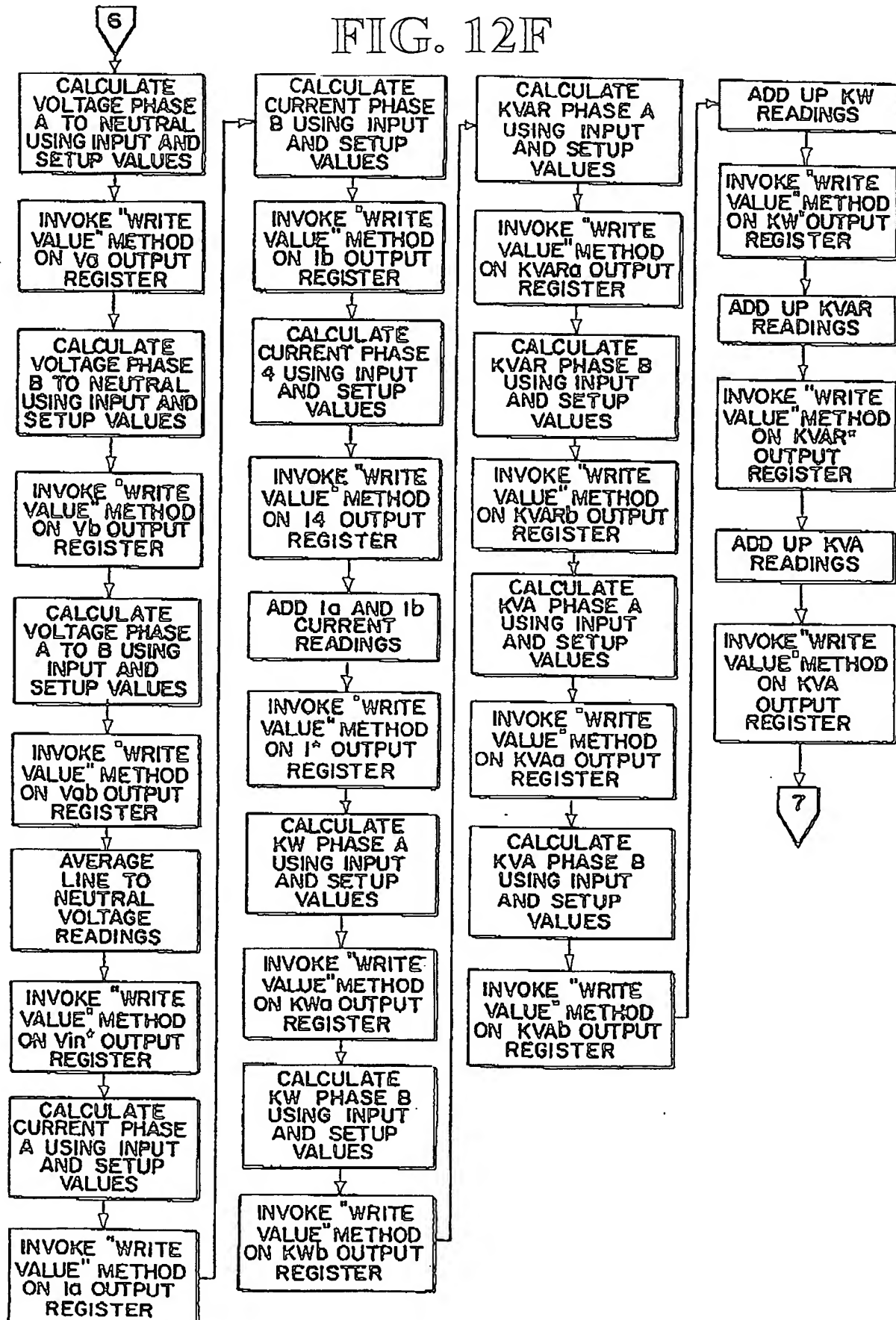
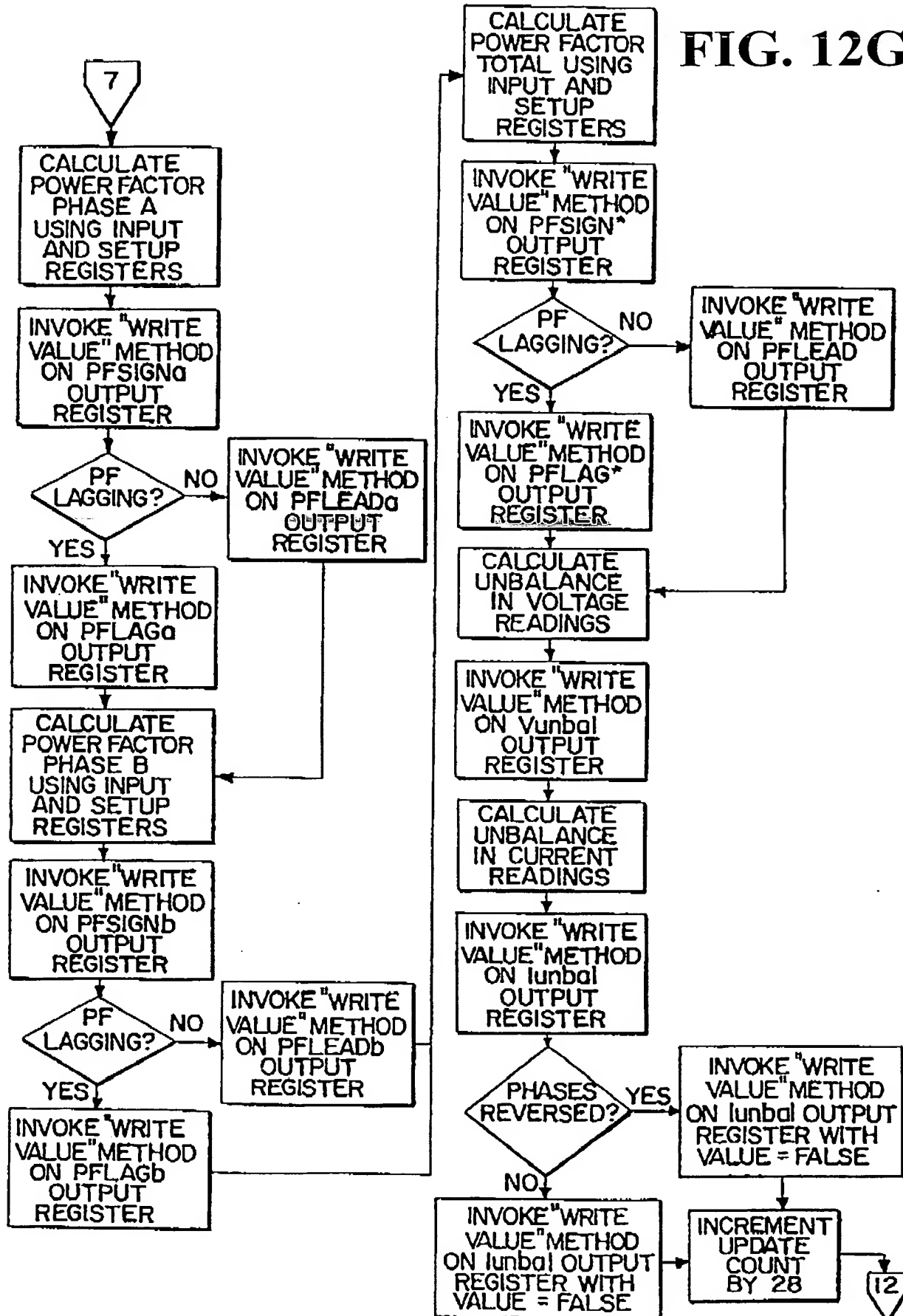


FIG. 12G



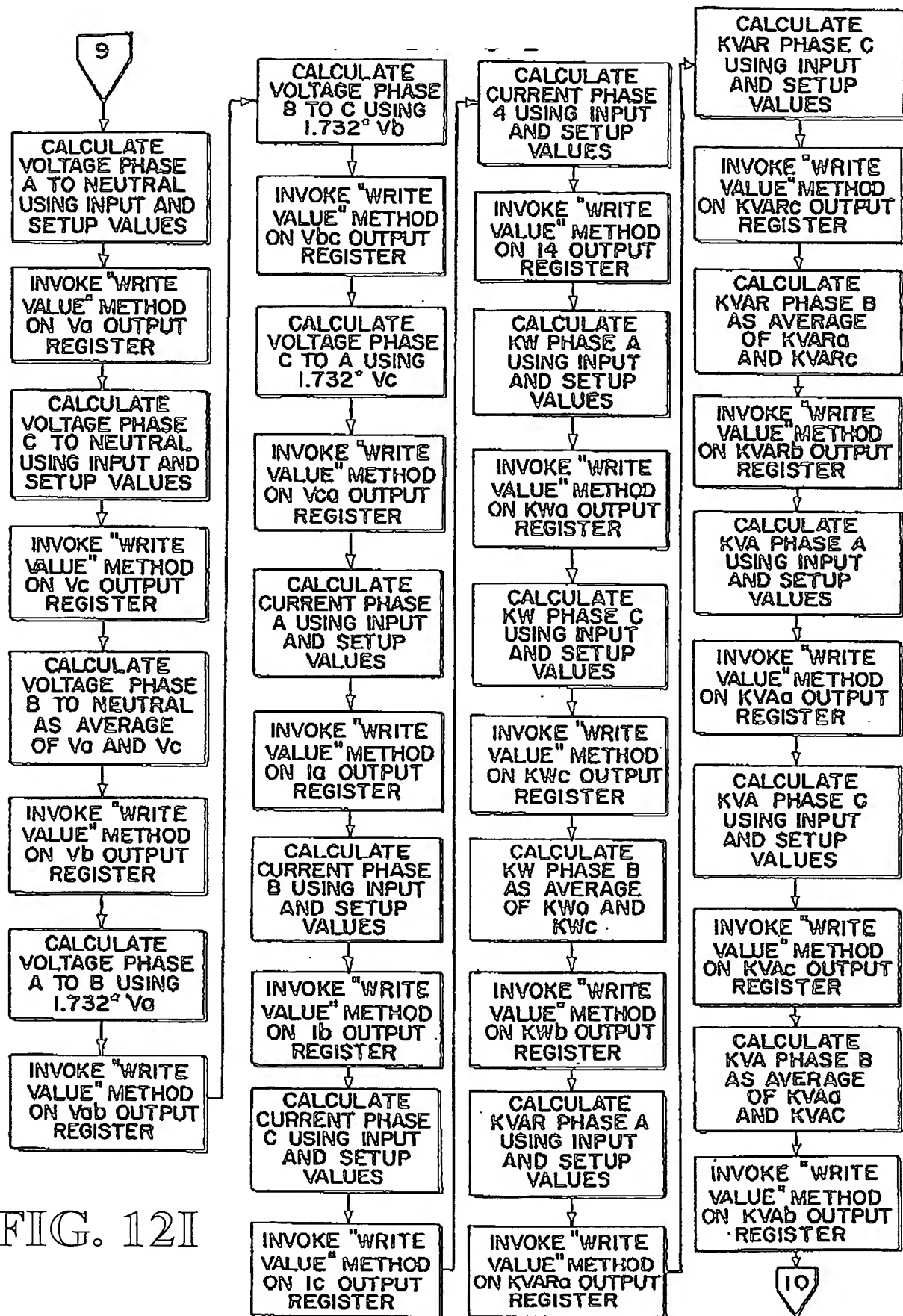


FIG. 12I

FIG. 12J

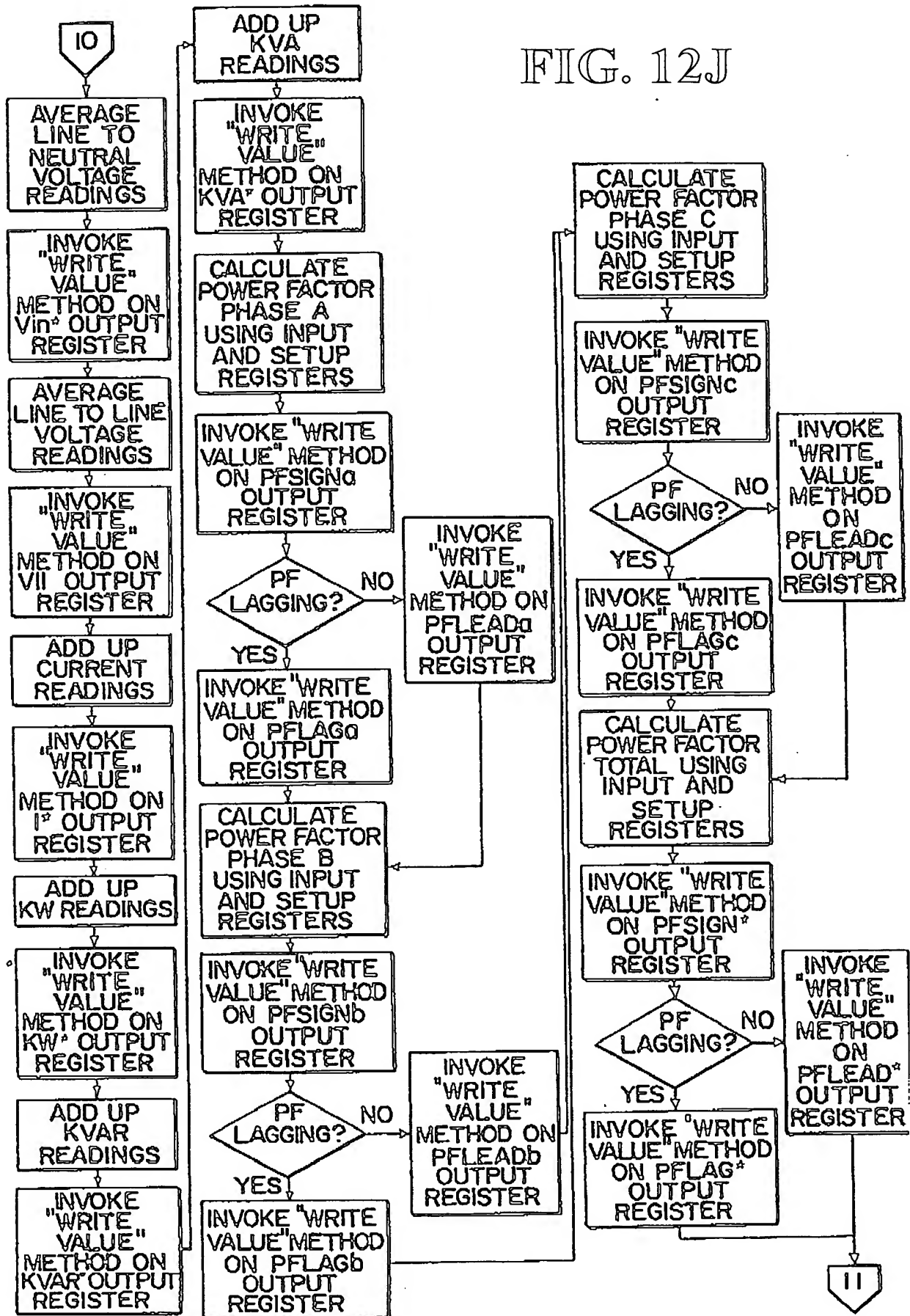


FIG. 12K

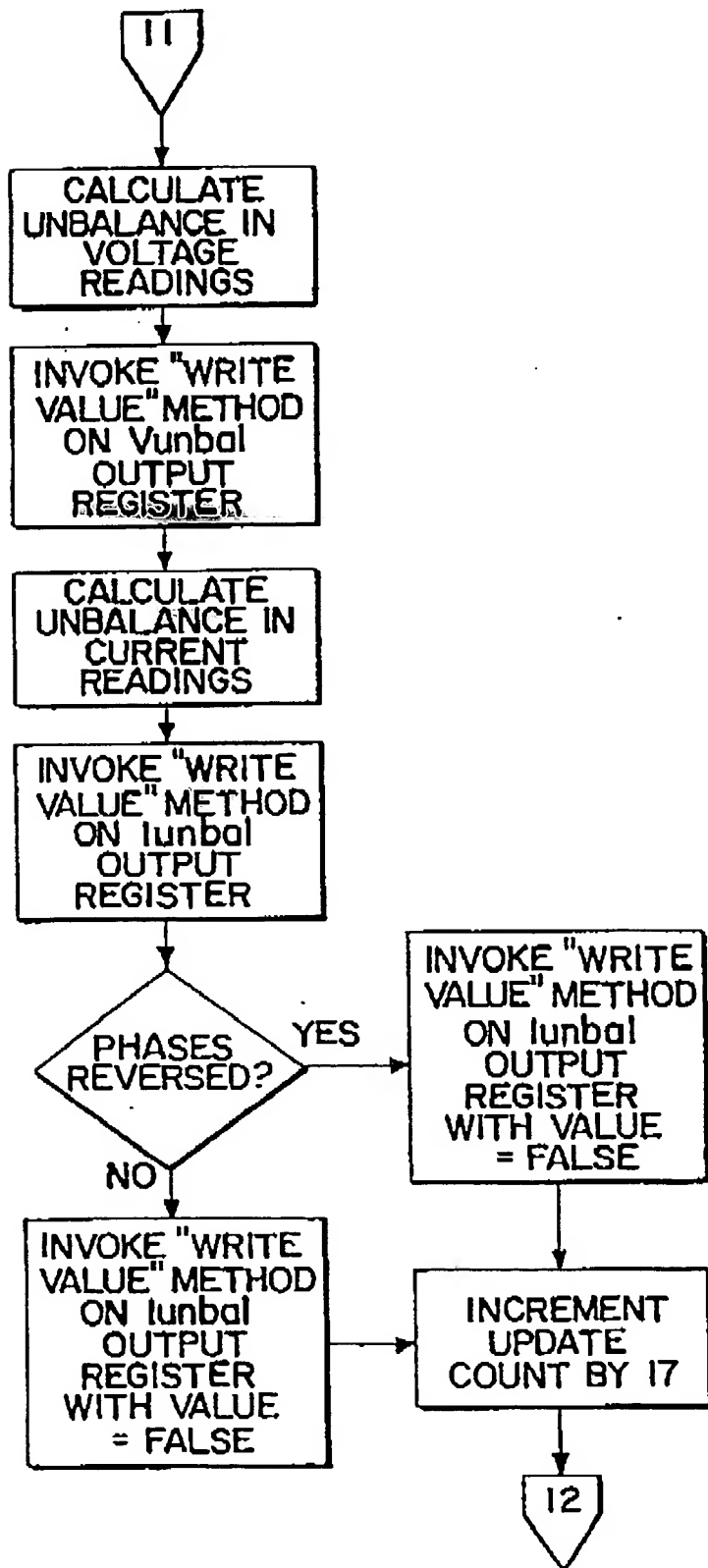


FIG. 12L

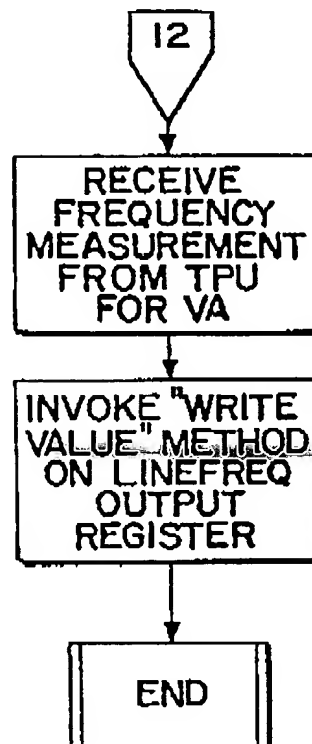


FIG. 13

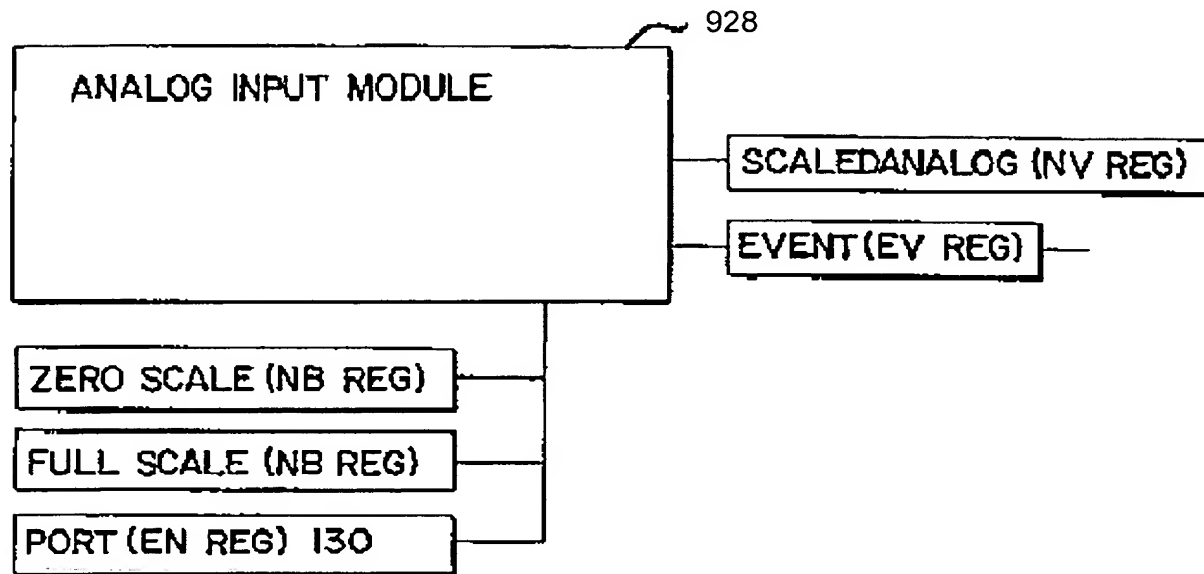


FIG. 14

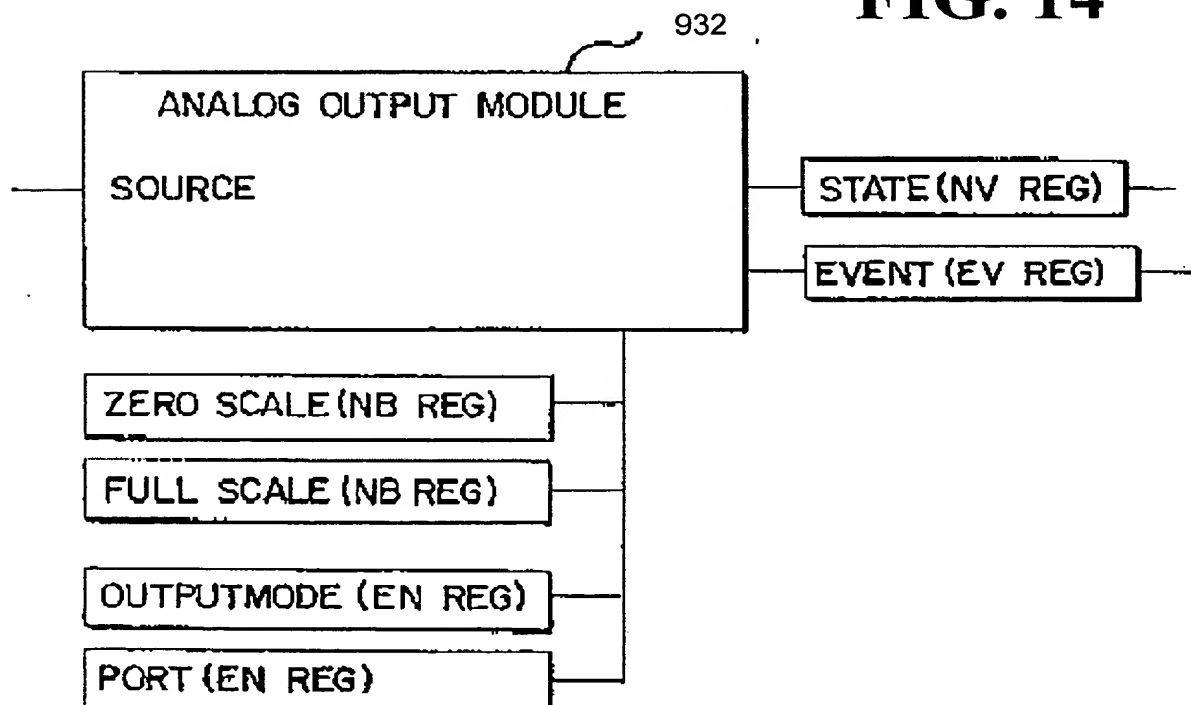


FIG. 13A

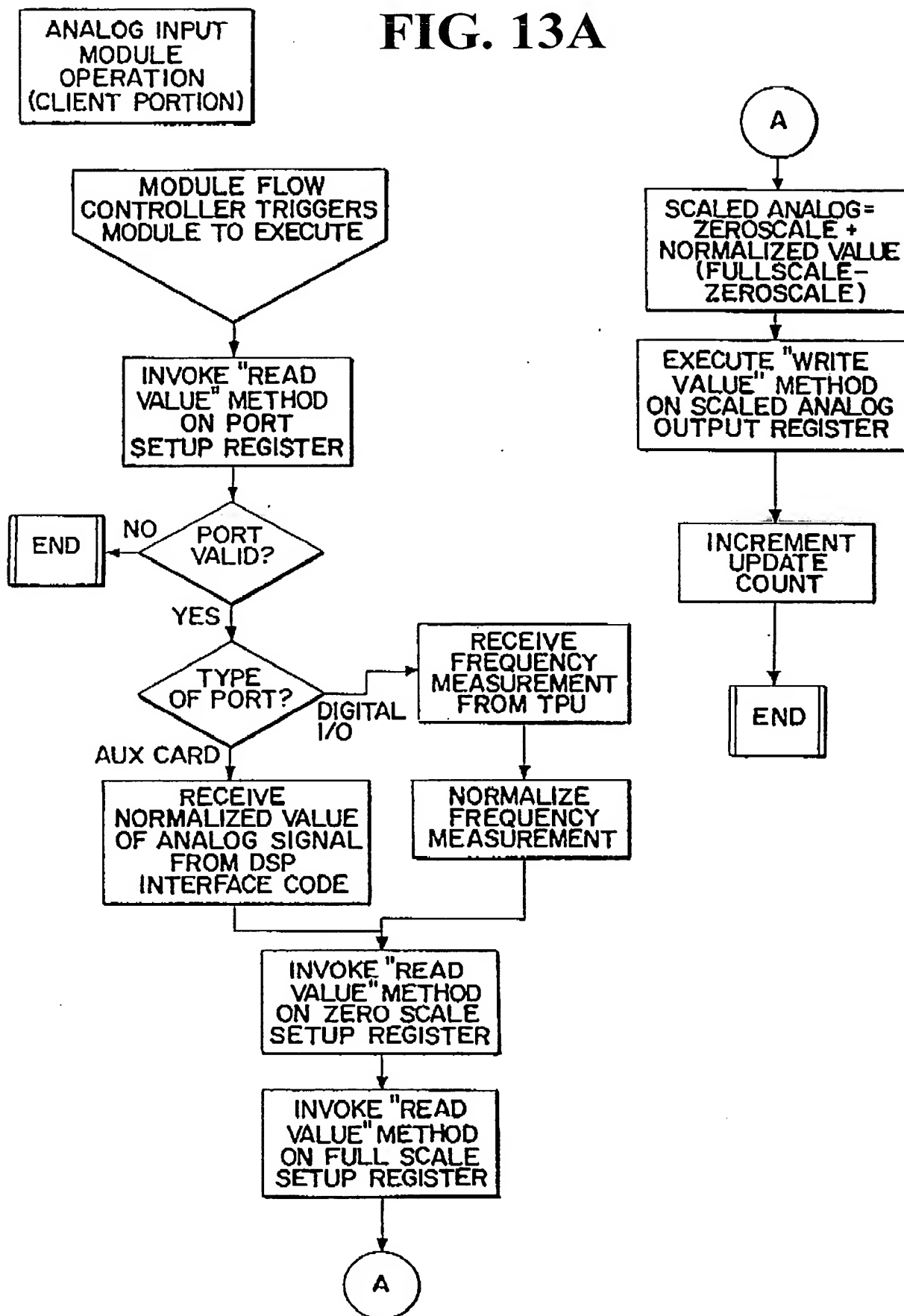


FIG. 14A

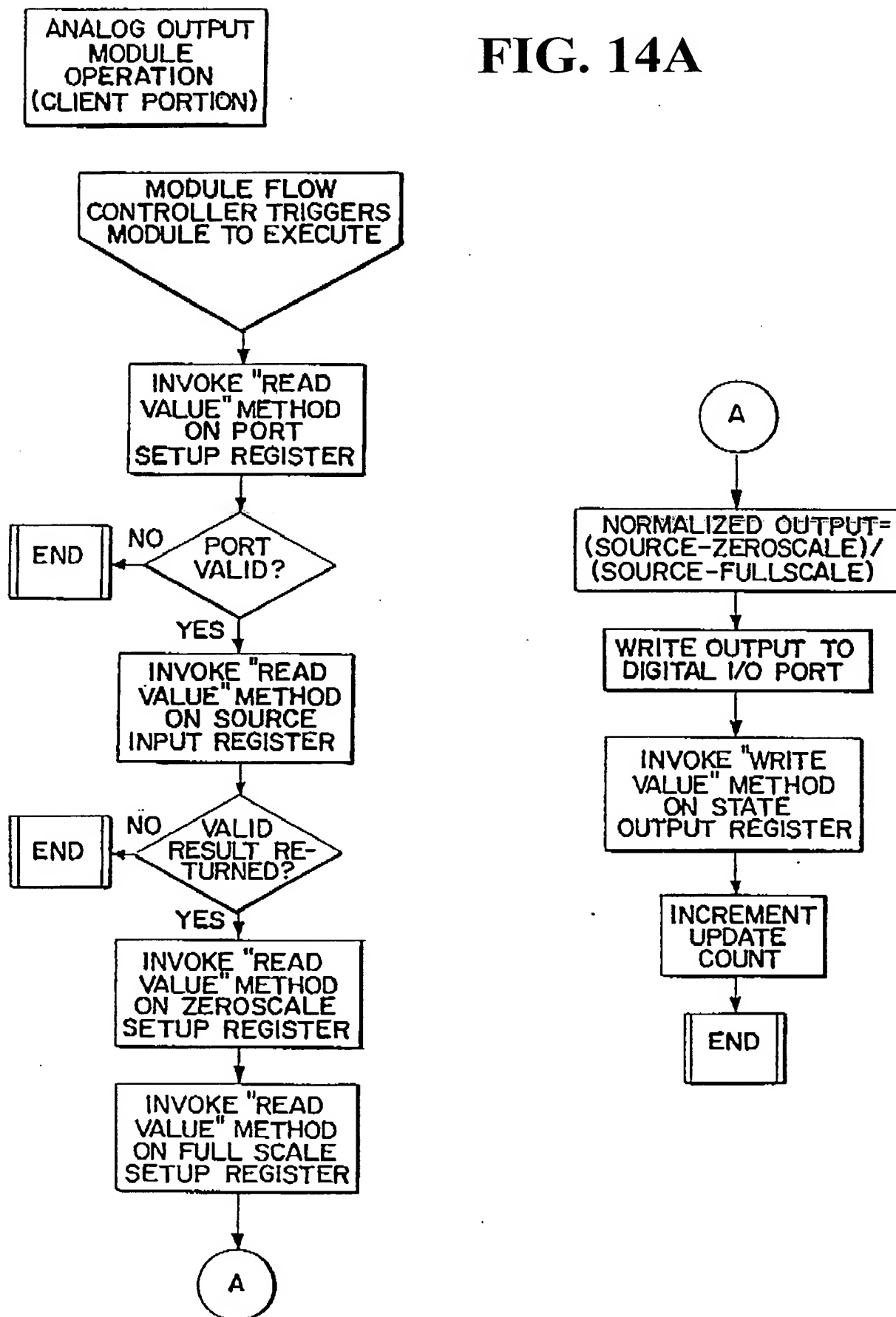


FIG. 15

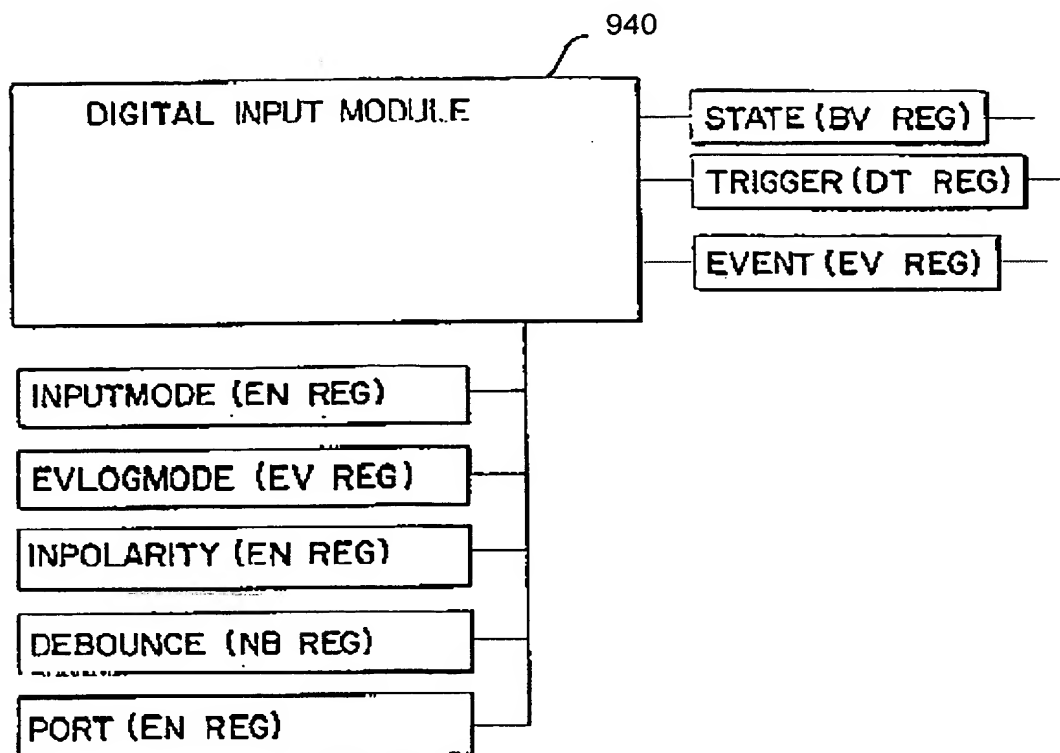


FIG. 16

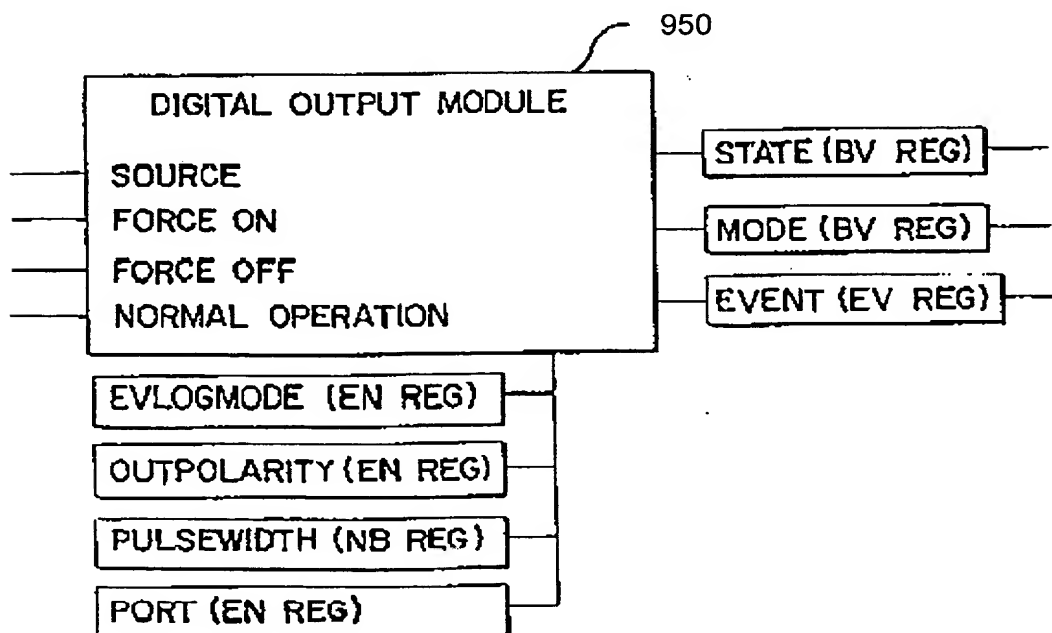


FIG. 15A

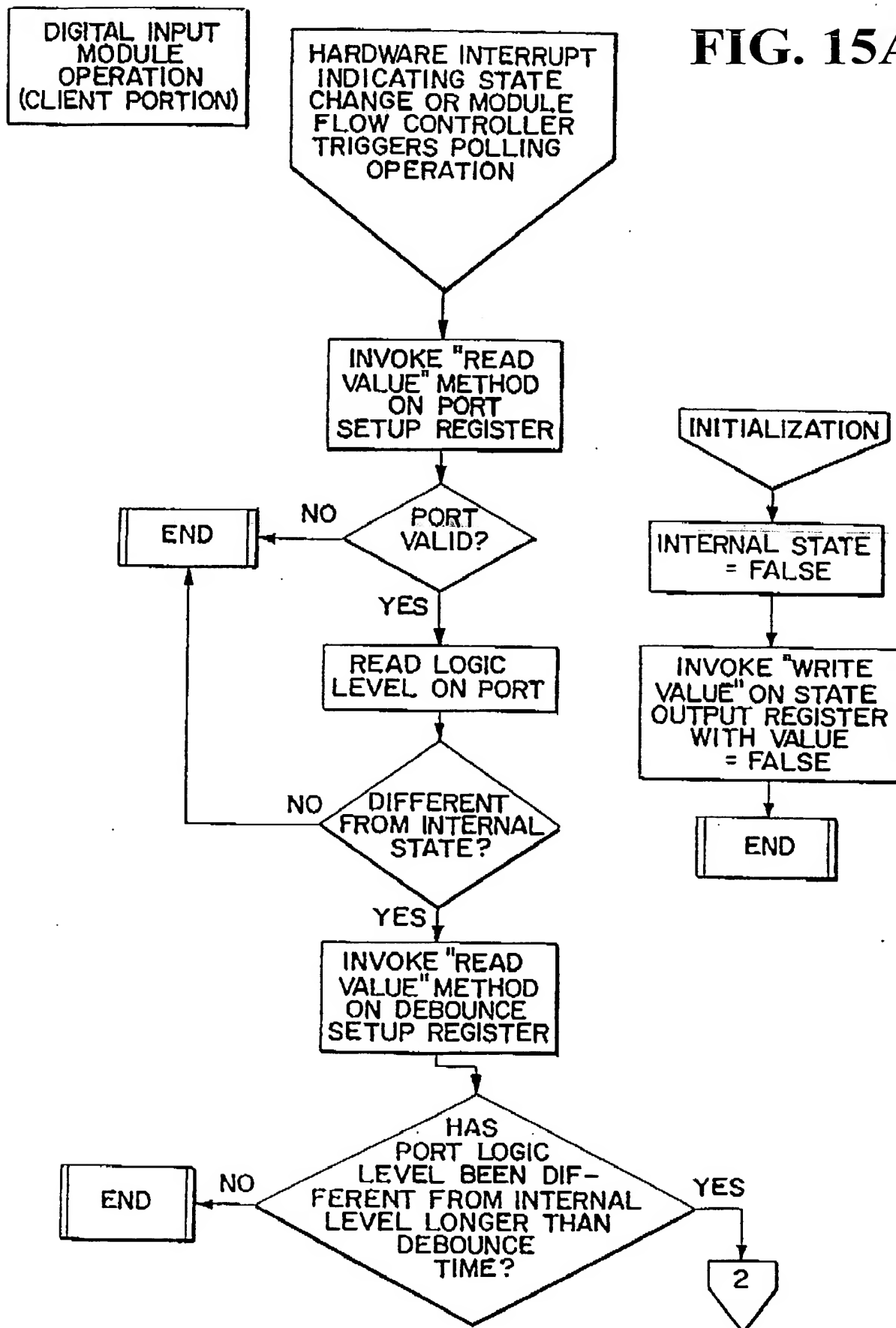


FIG. 15B

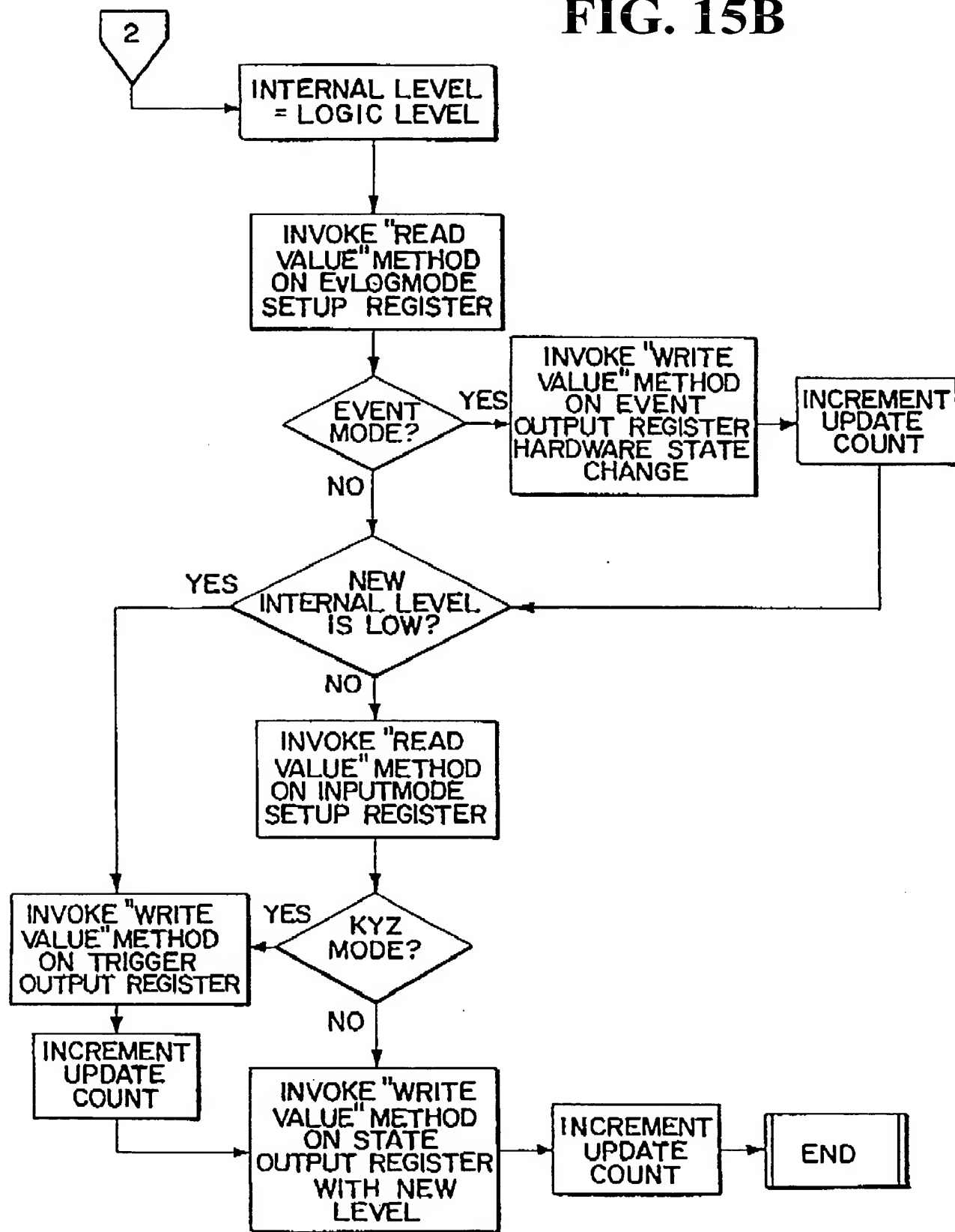
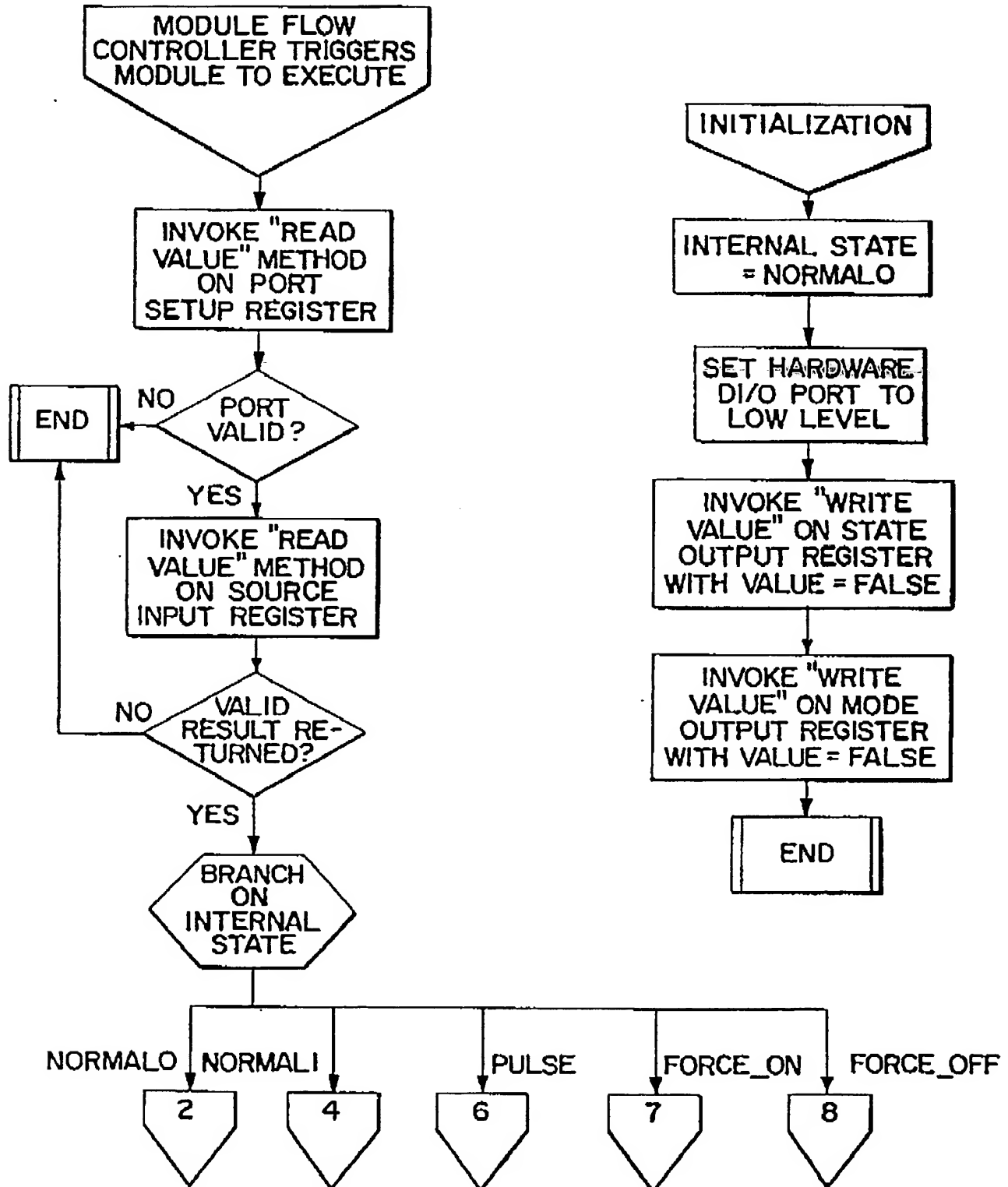


FIG. 16A

DIGITAL OUTPUT
MODULE
OPERATION
(CLIENT PORTION)



INITIALIZATION

INTERNAL STATE
= NORMAL0

SET HARDWARE
D/I/O PORT TO
LOW LEVEL

INVOKE "WRITE
VALUE" ON STATE
OUTPUT REGISTER
WITH VALUE = FALSE

INVOKE "WRITE
VALUE" ON MODE
OUTPUT REGISTER
WITH VALUE = FALSE

END

FIG. 16B

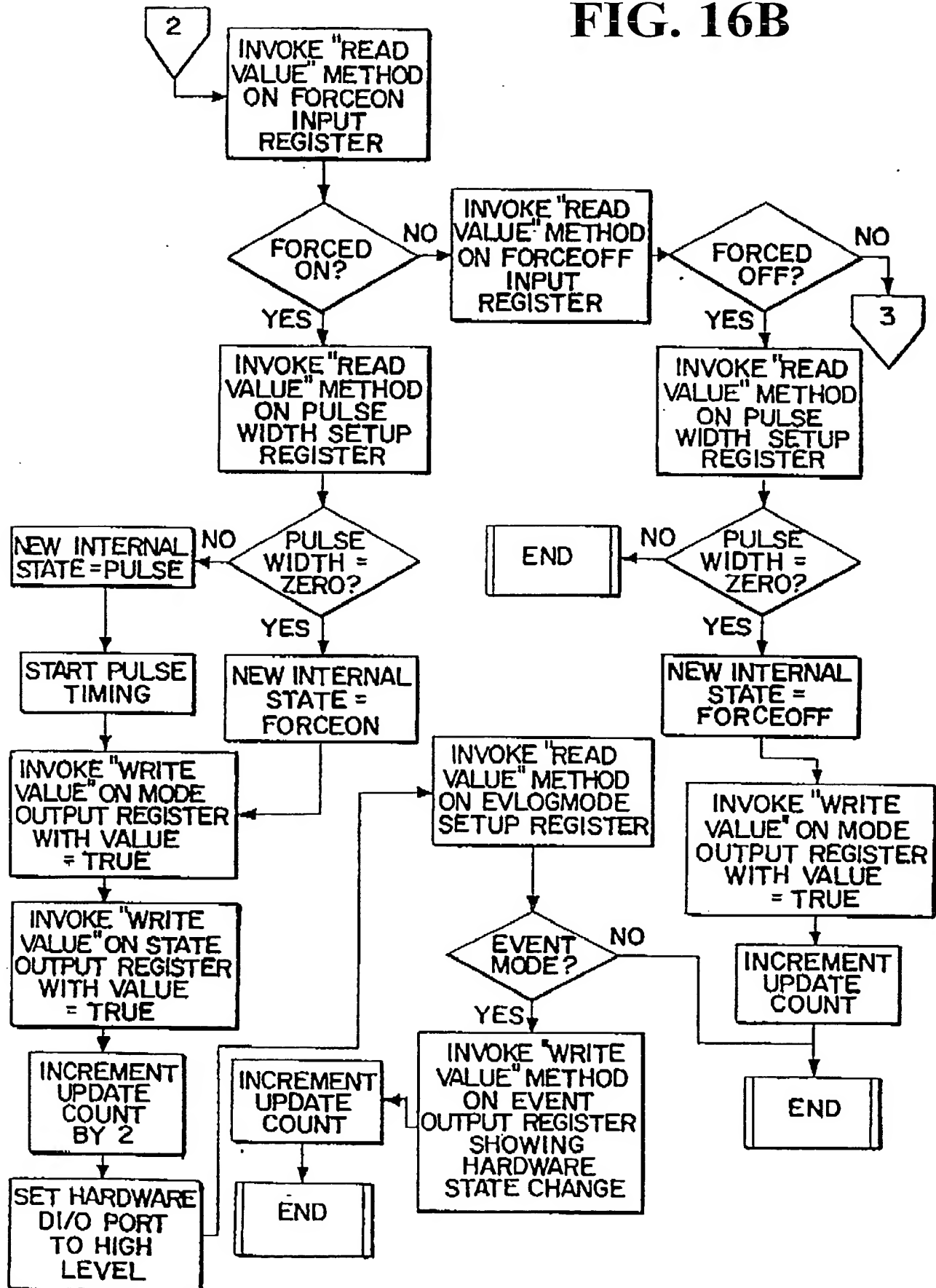


FIG. 16C

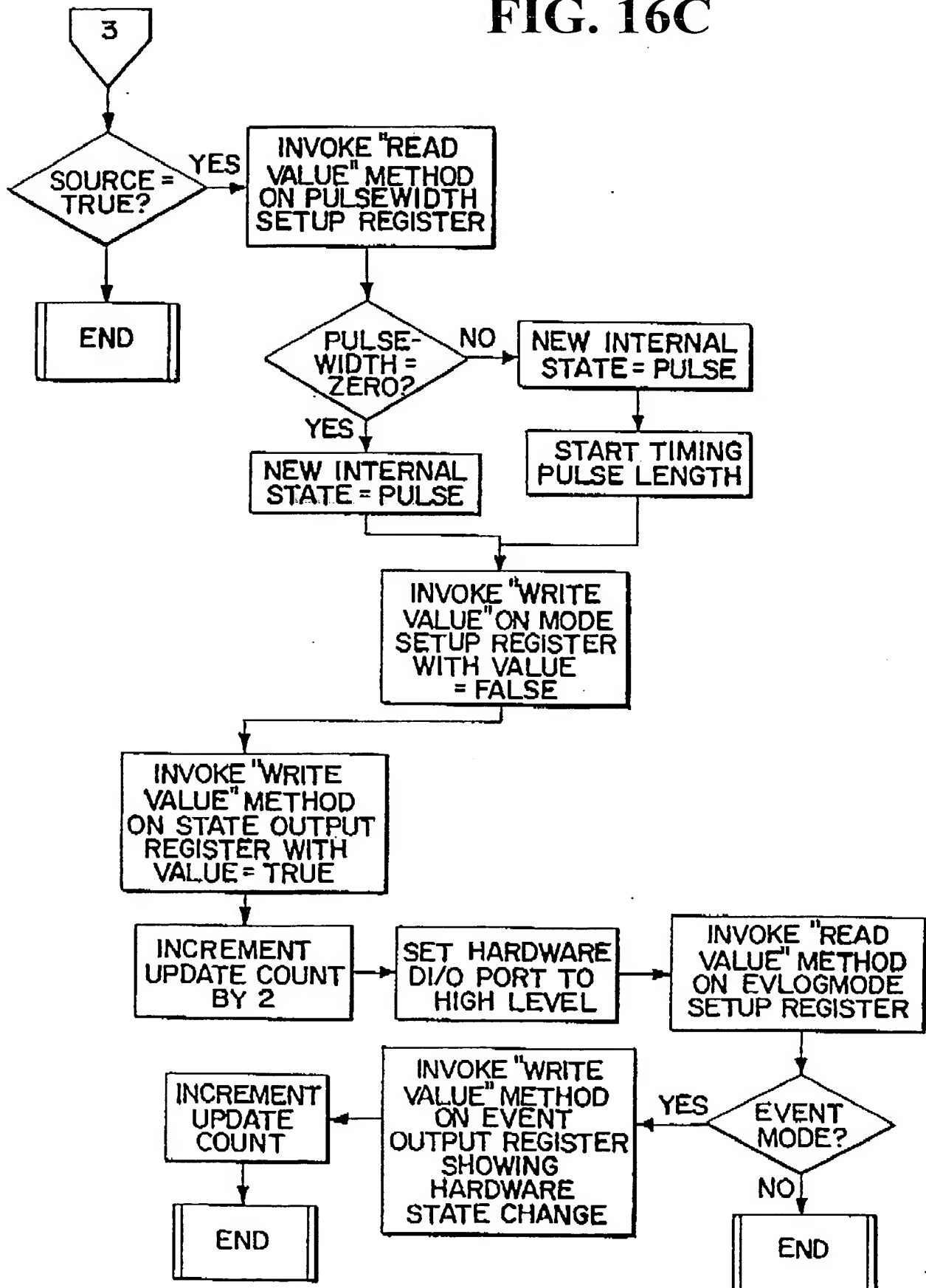


FIG. 16D

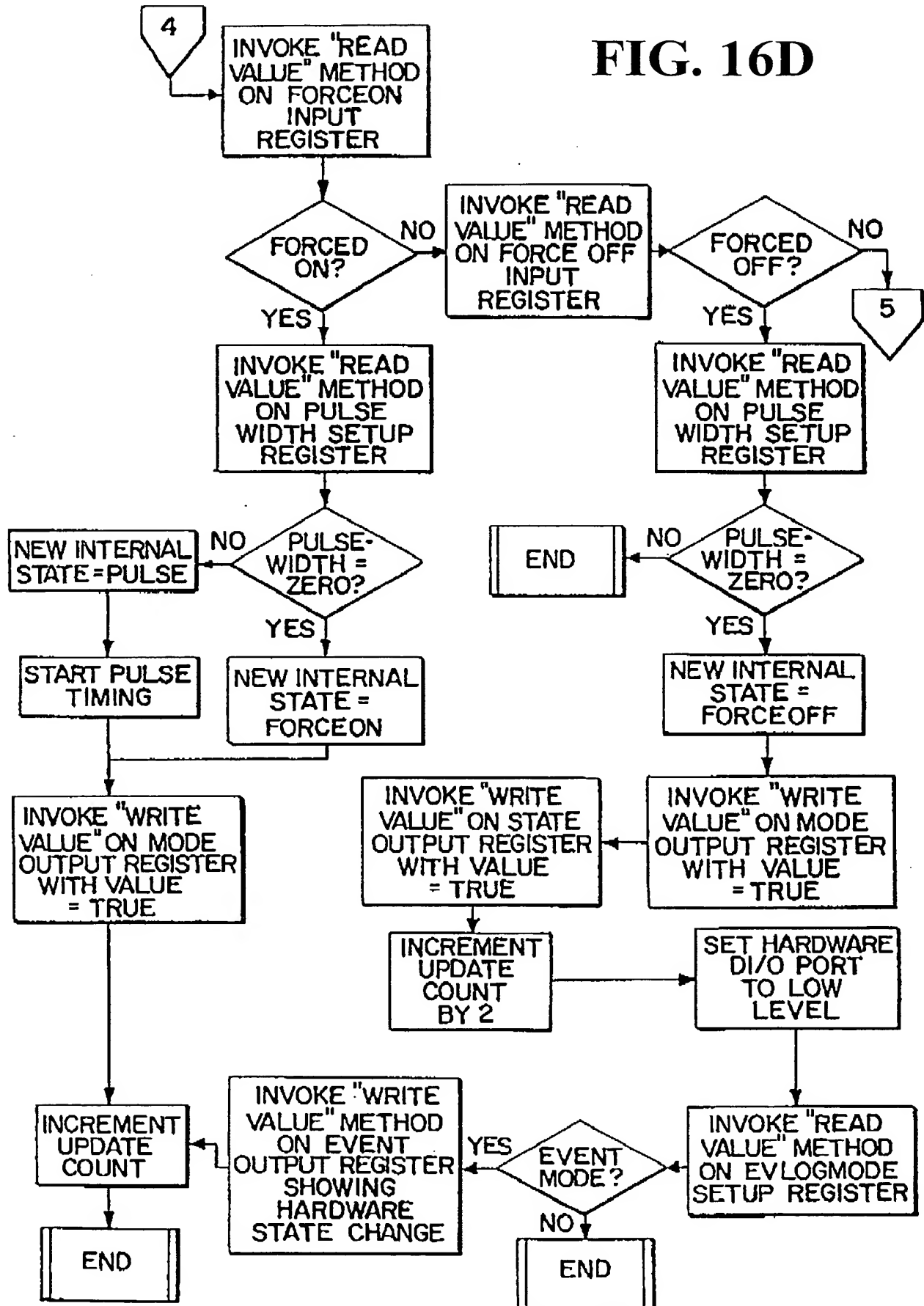


FIG. 16E

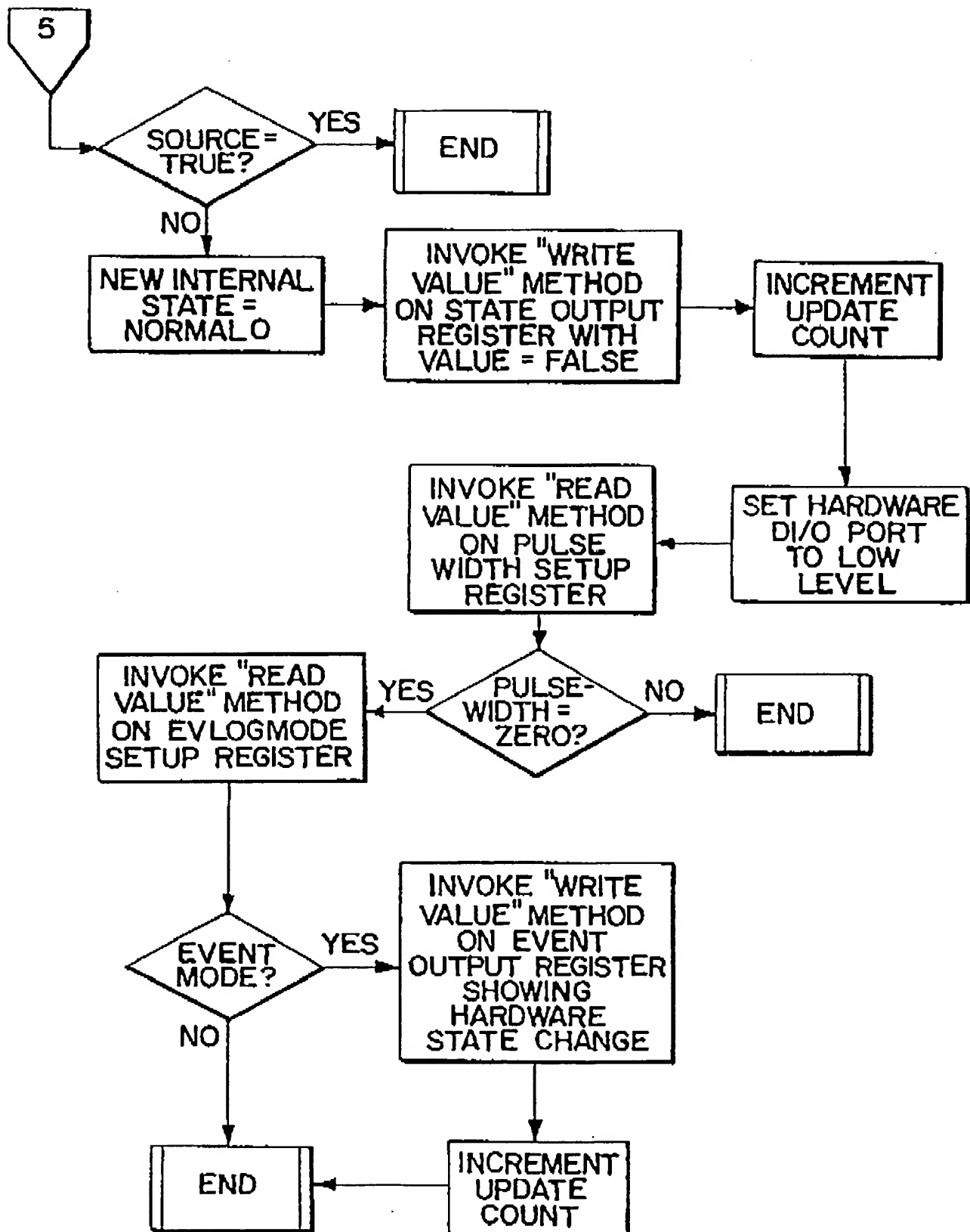


FIG. 16F

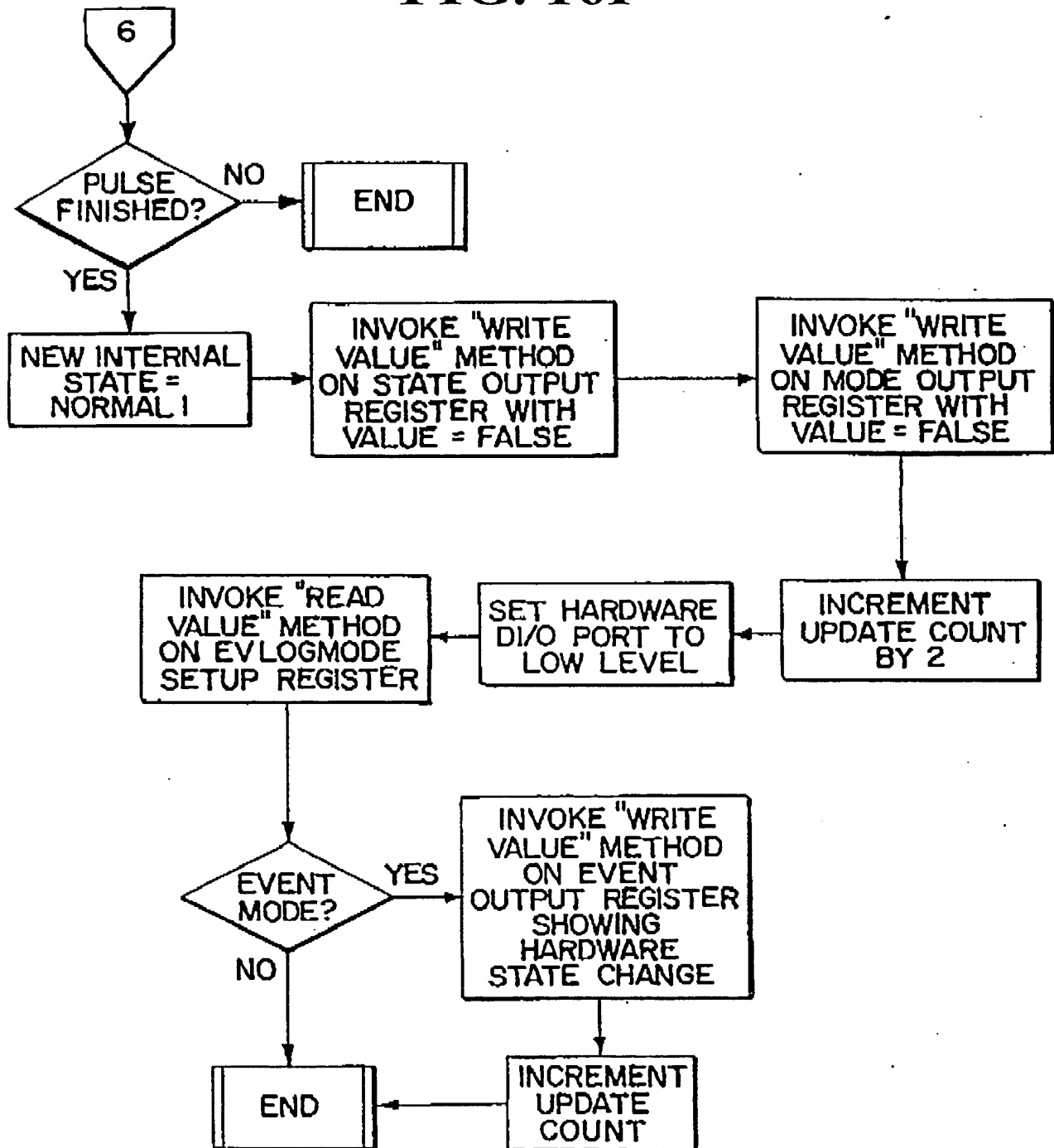


FIG. 16G

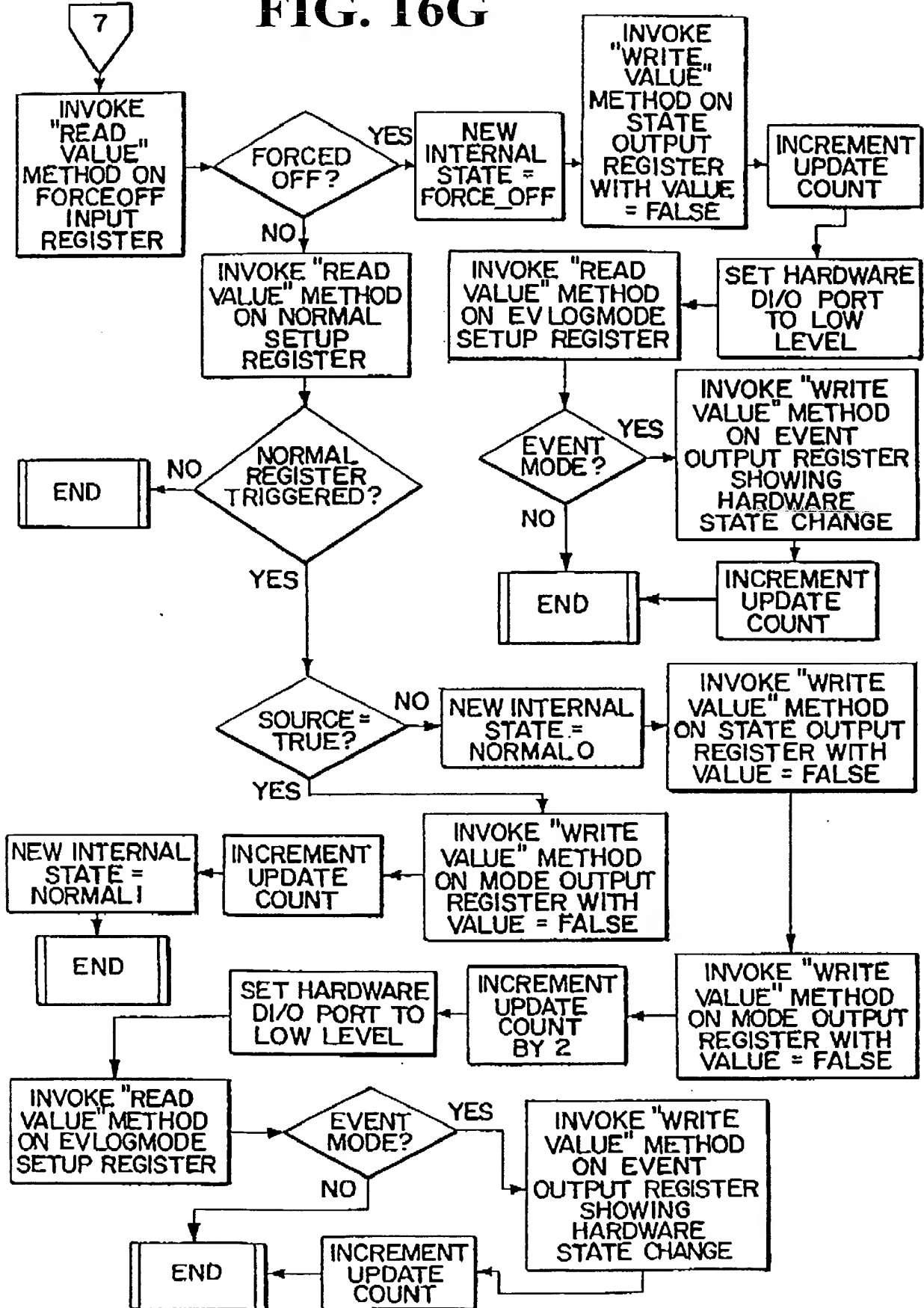


FIG. 16H

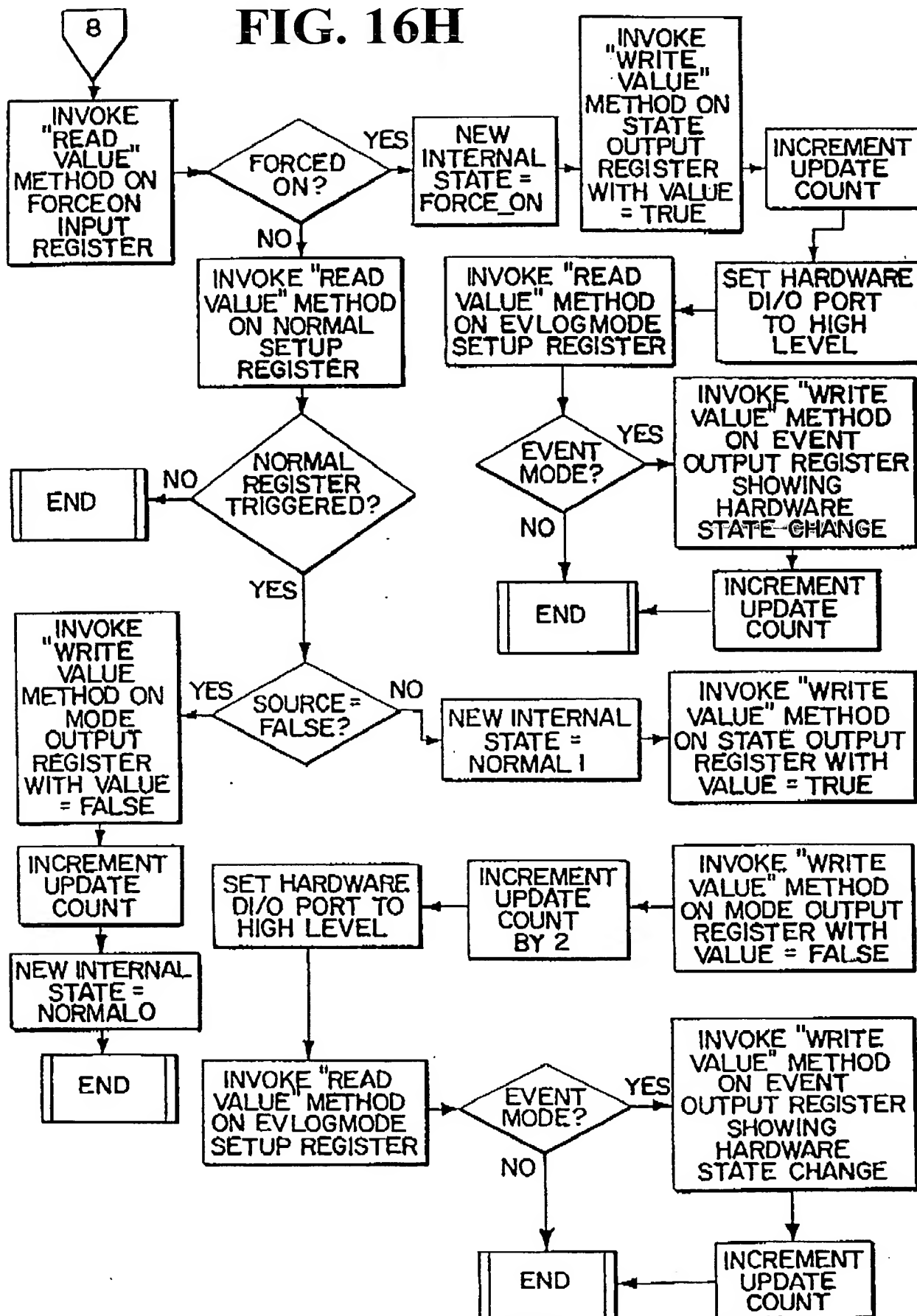


FIG. 17

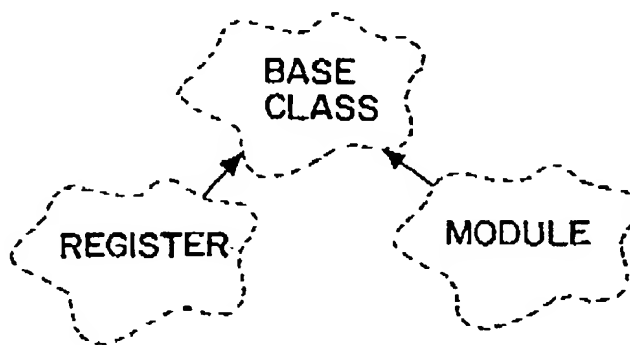


FIG. 17A

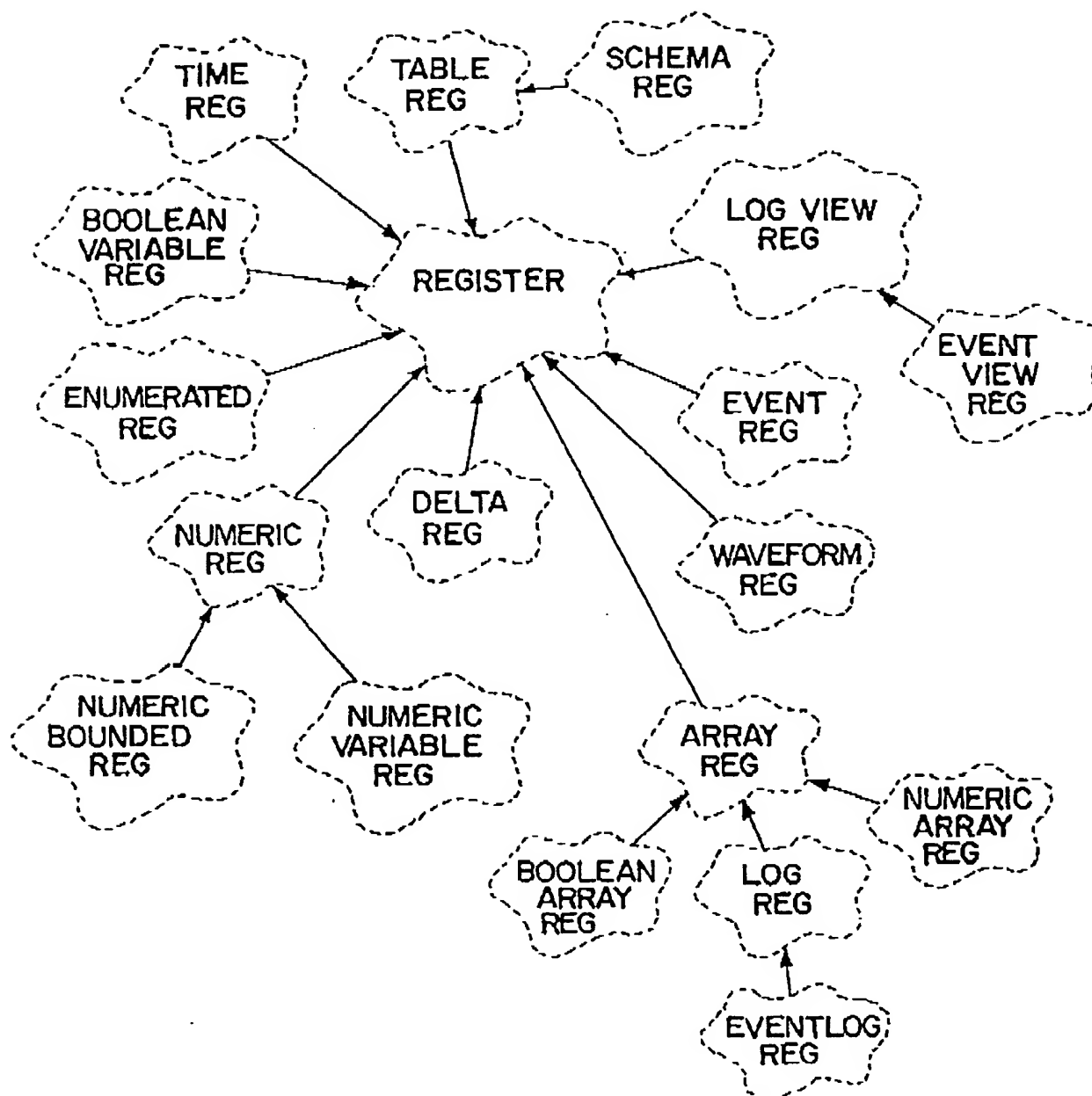


FIG. 17B

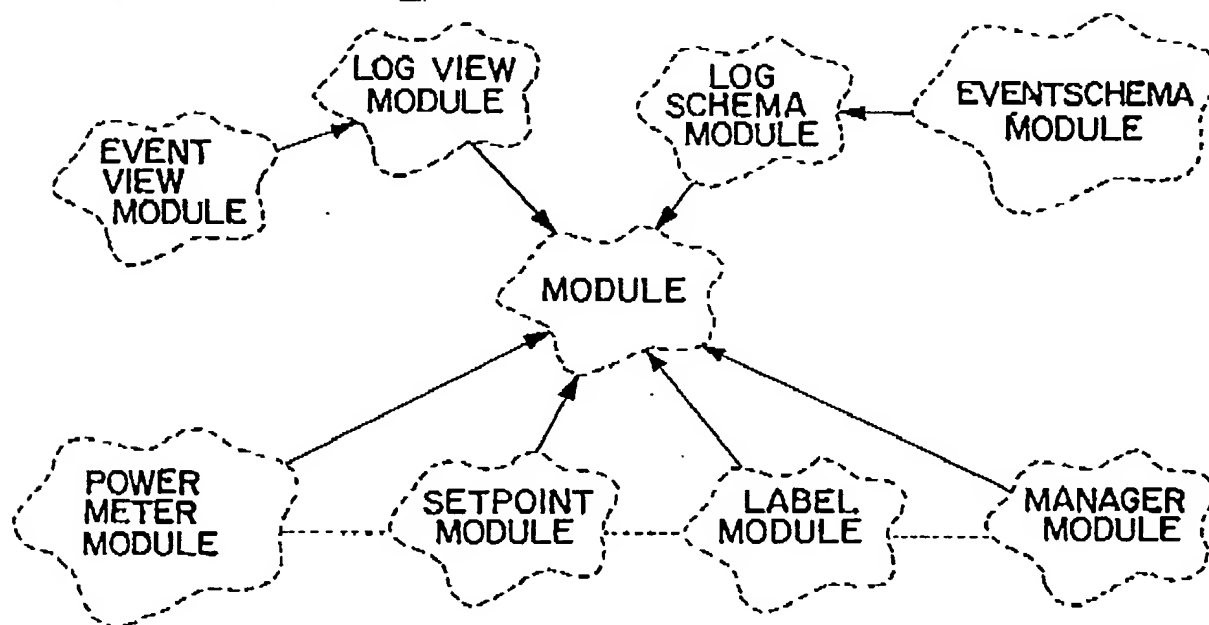


FIG. 17C

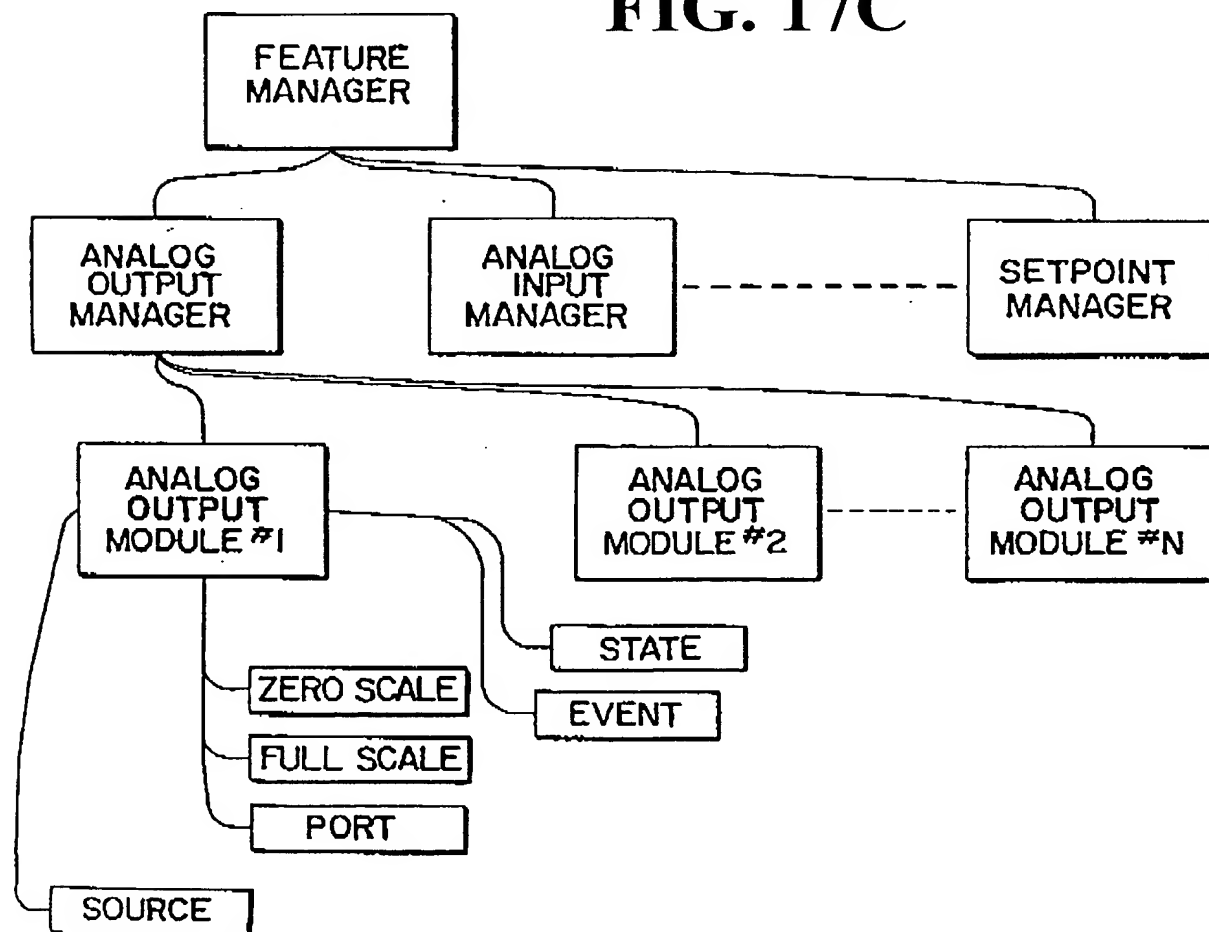


FIG. 18

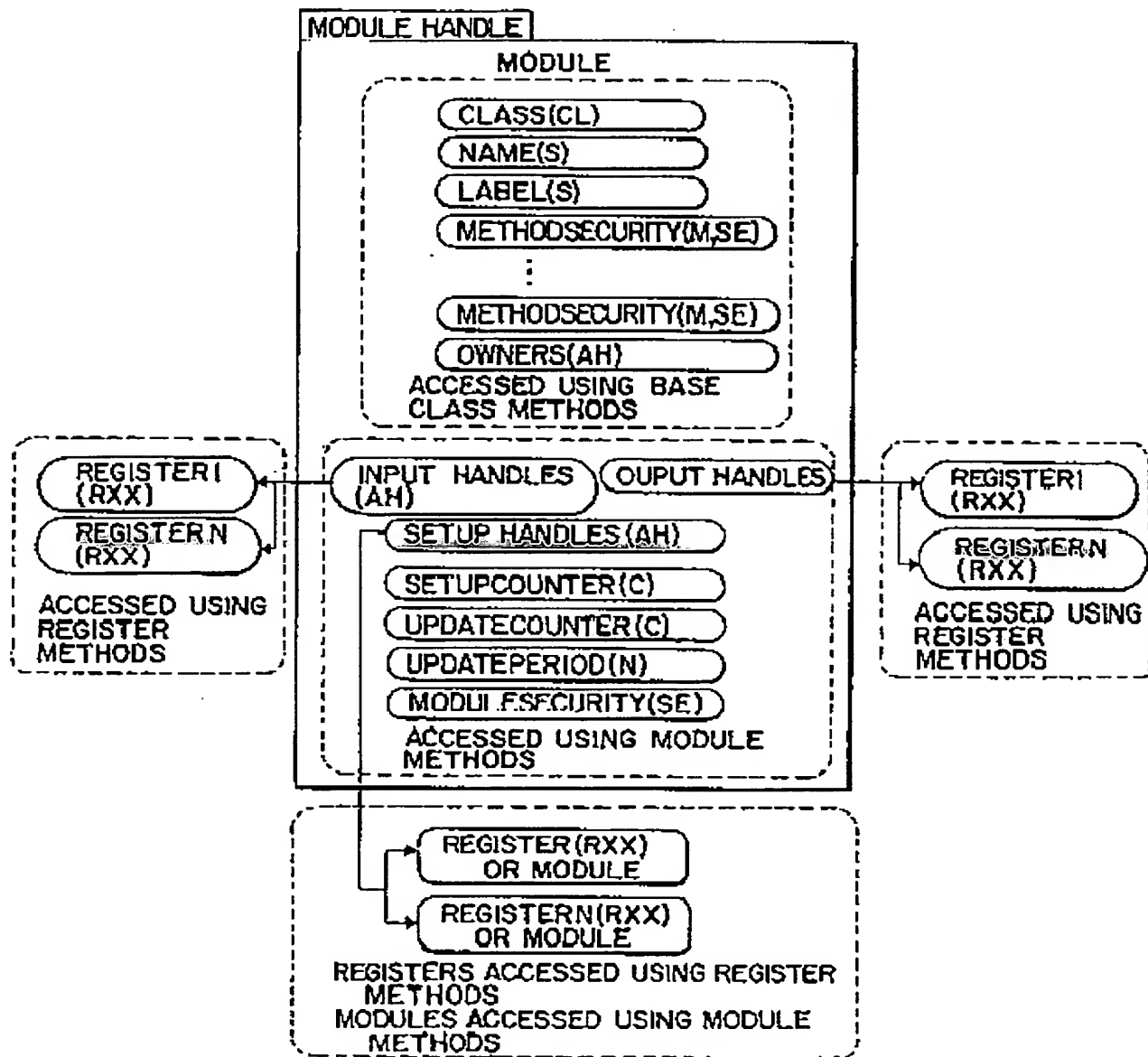


FIG. 19

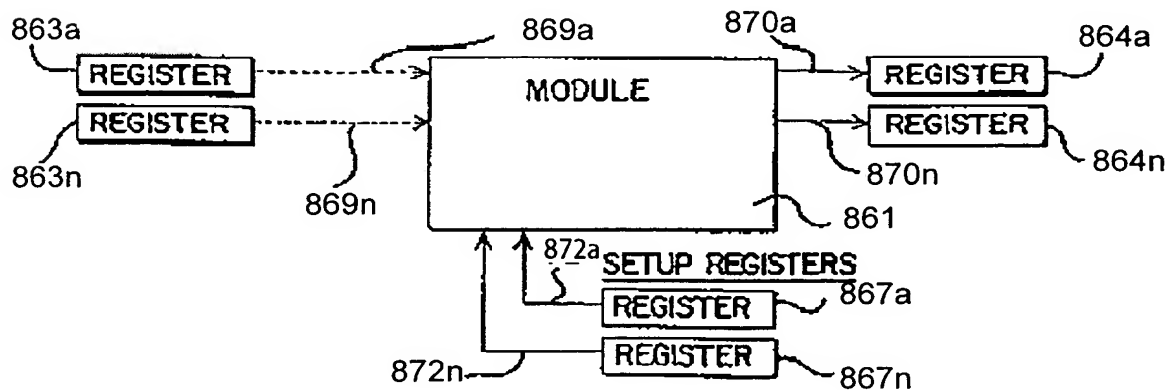


FIG. 19A

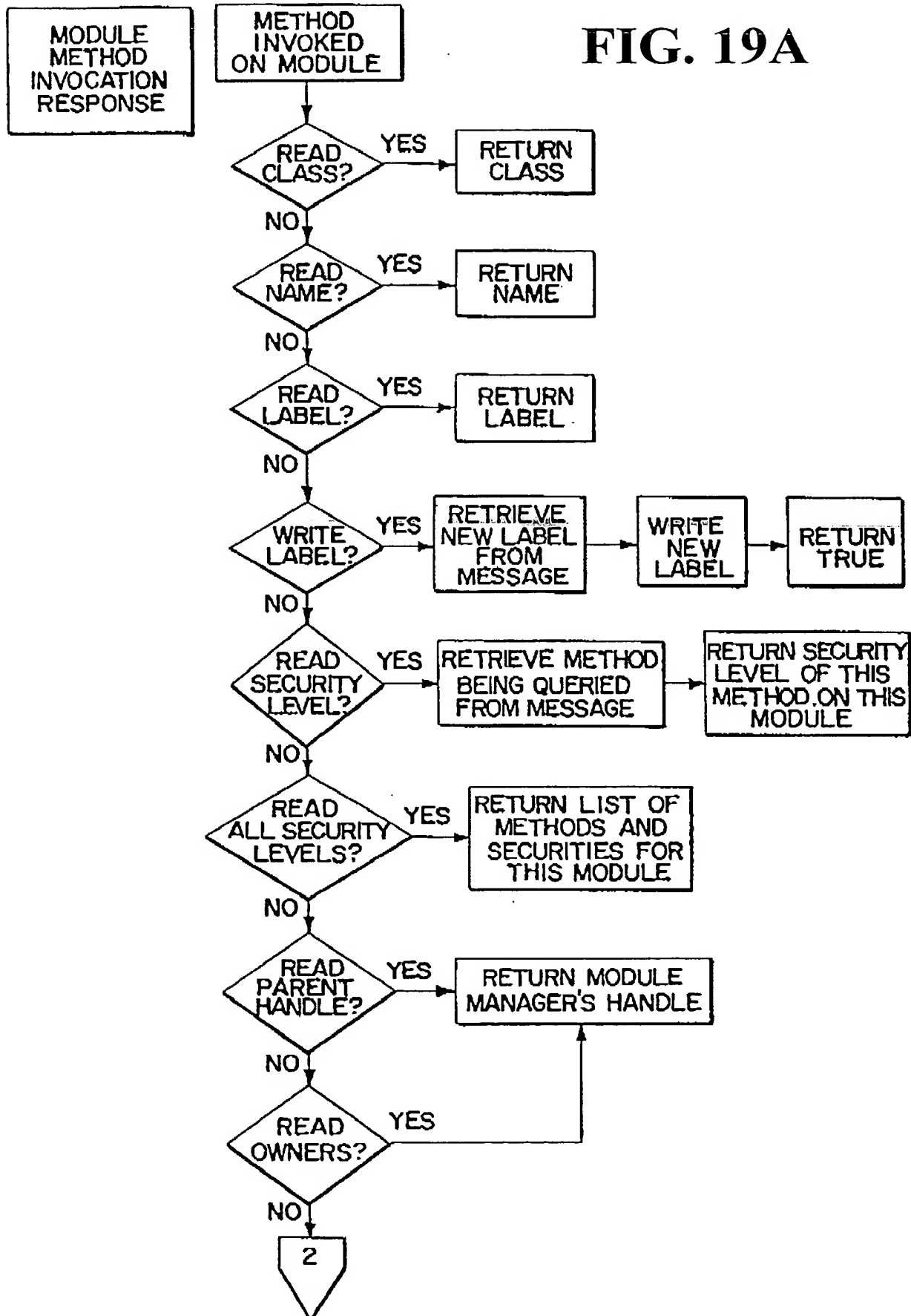


FIG. 19B

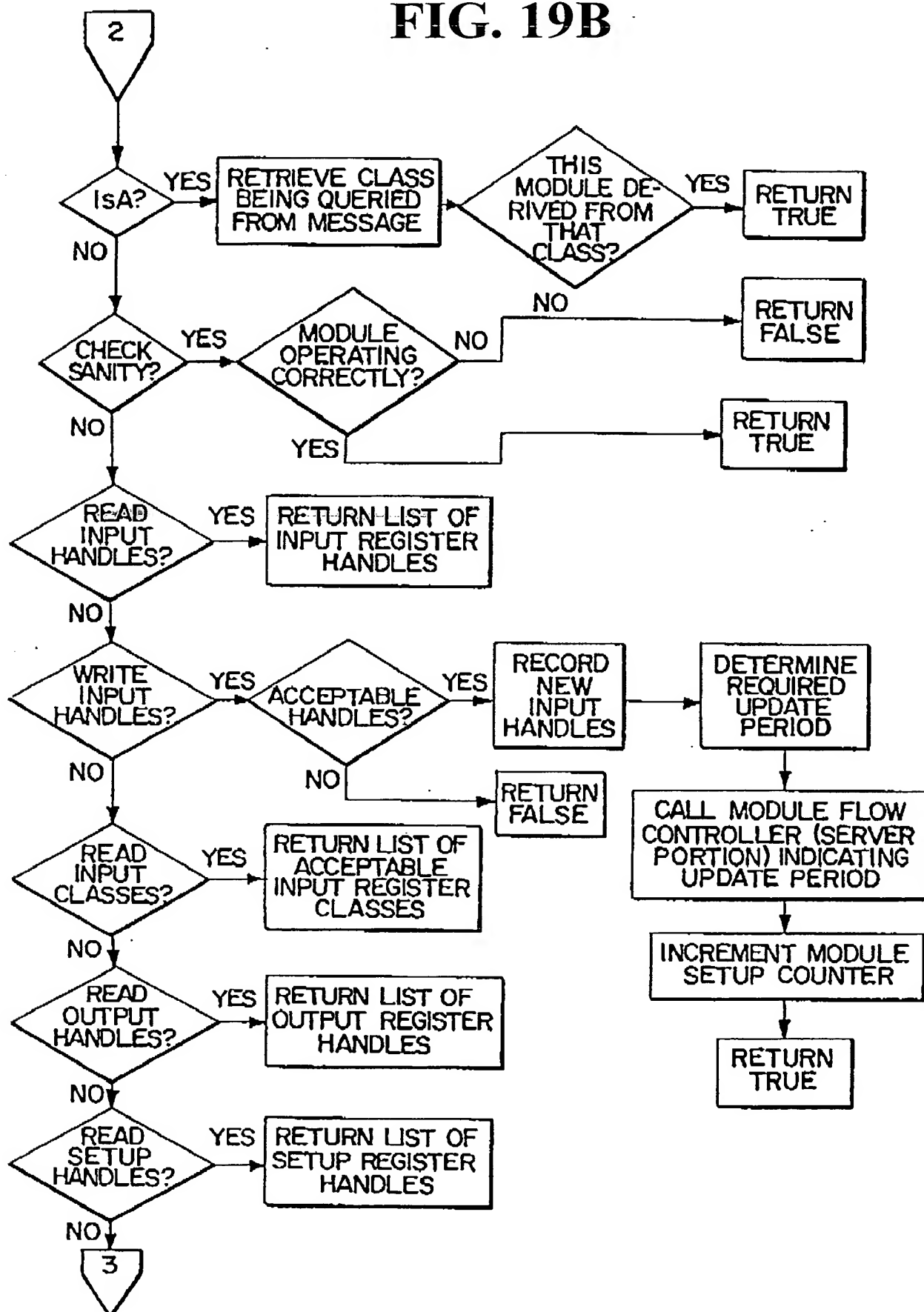


FIG. 19C

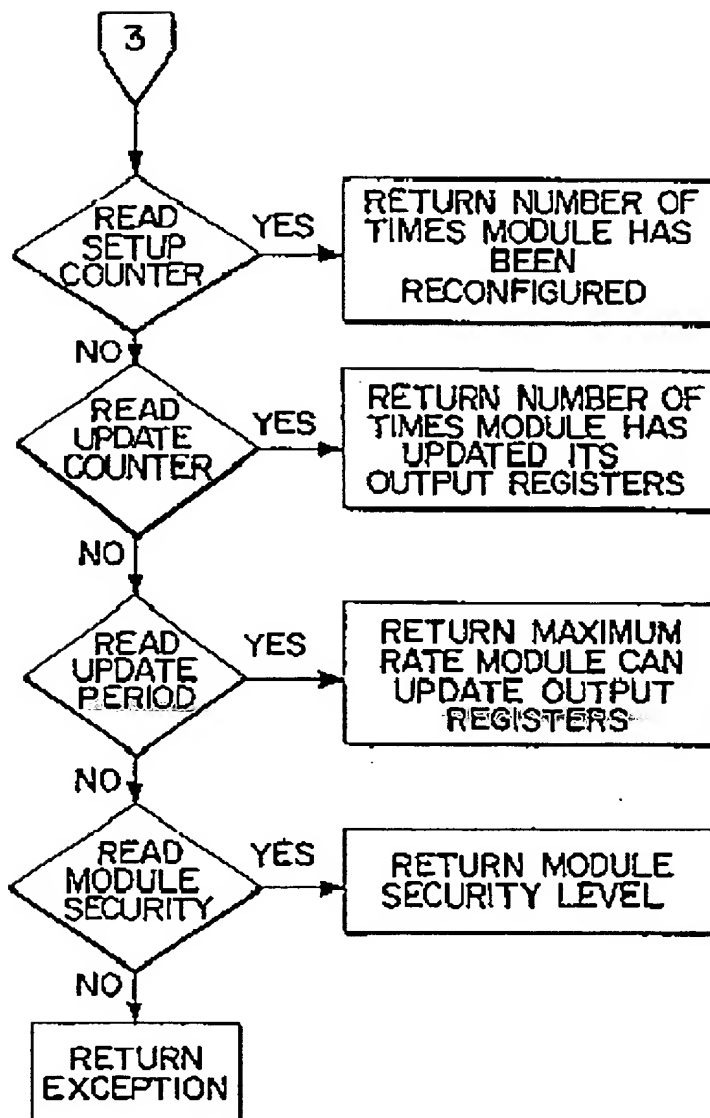


FIG. 20

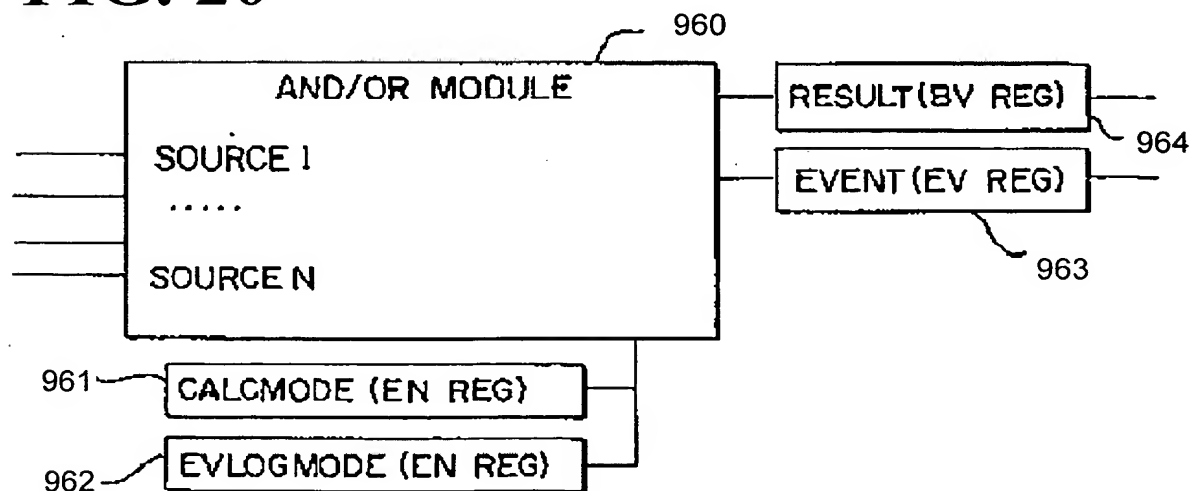


FIG. 20A

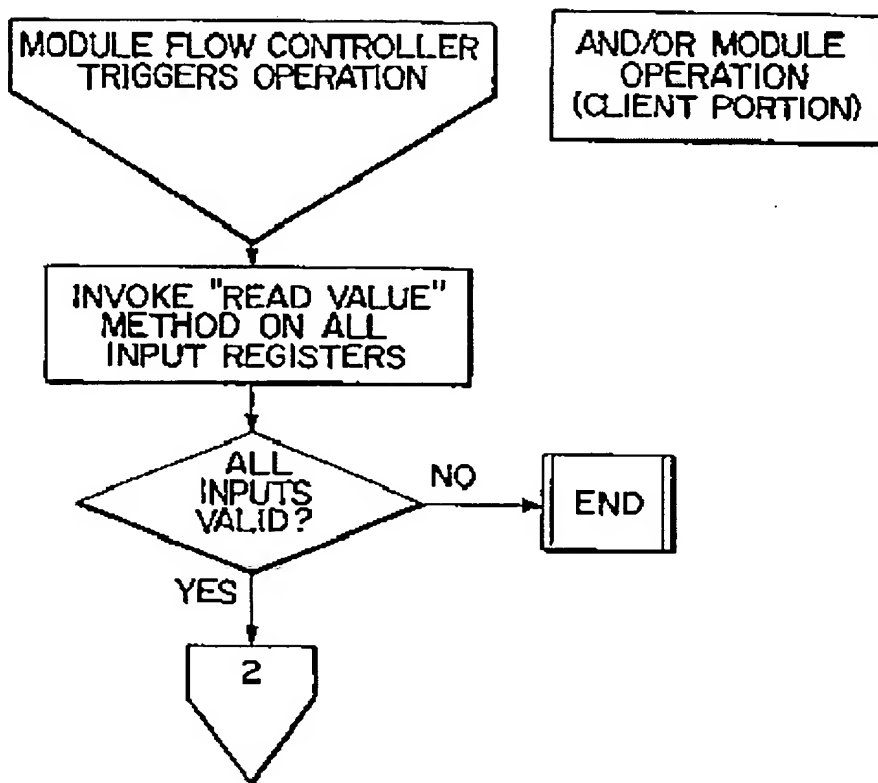


FIG. 21

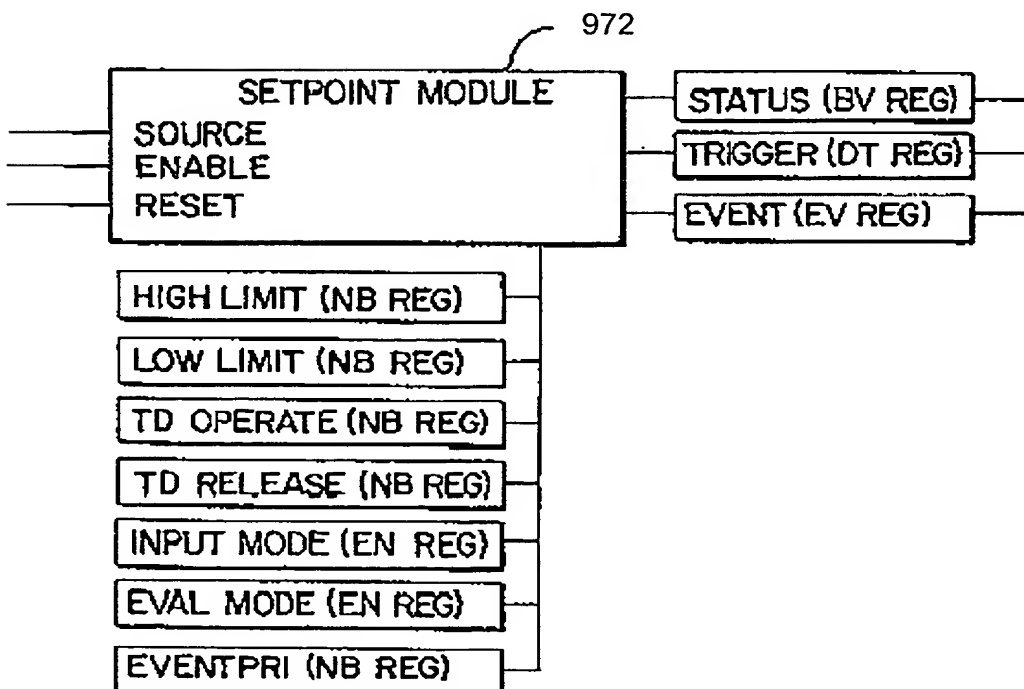


FIG. 20B

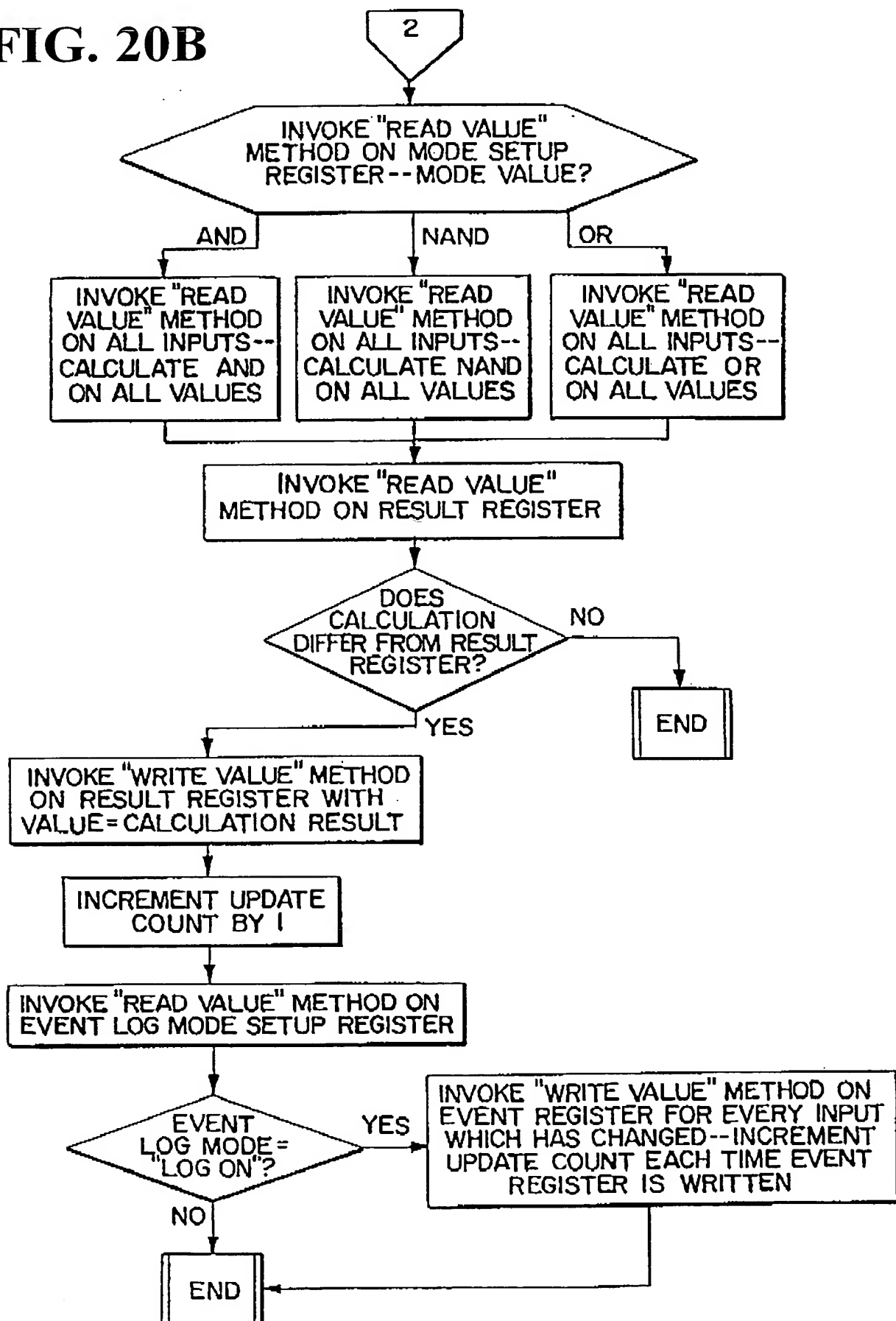


FIG. 21A

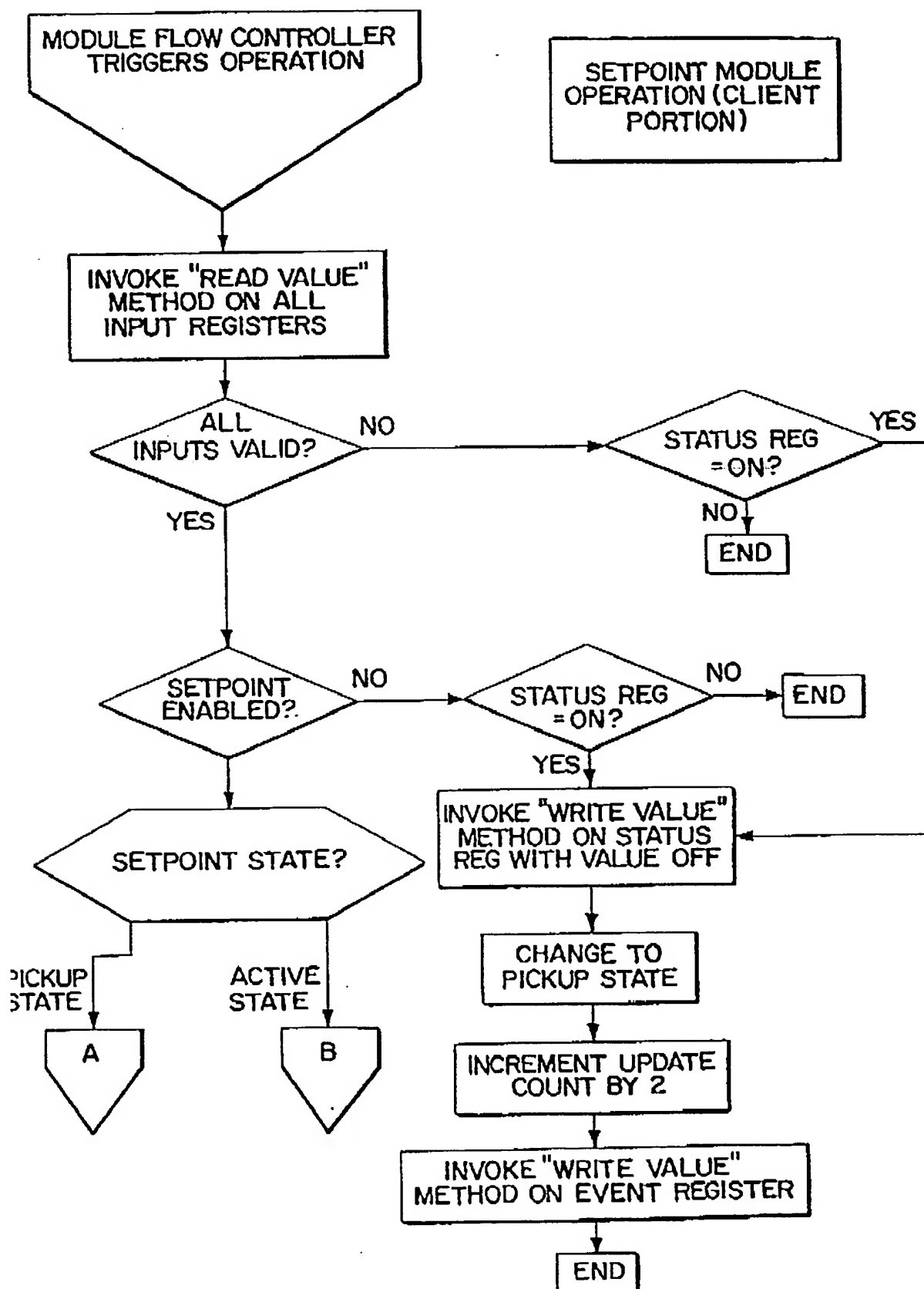


FIG. 21B

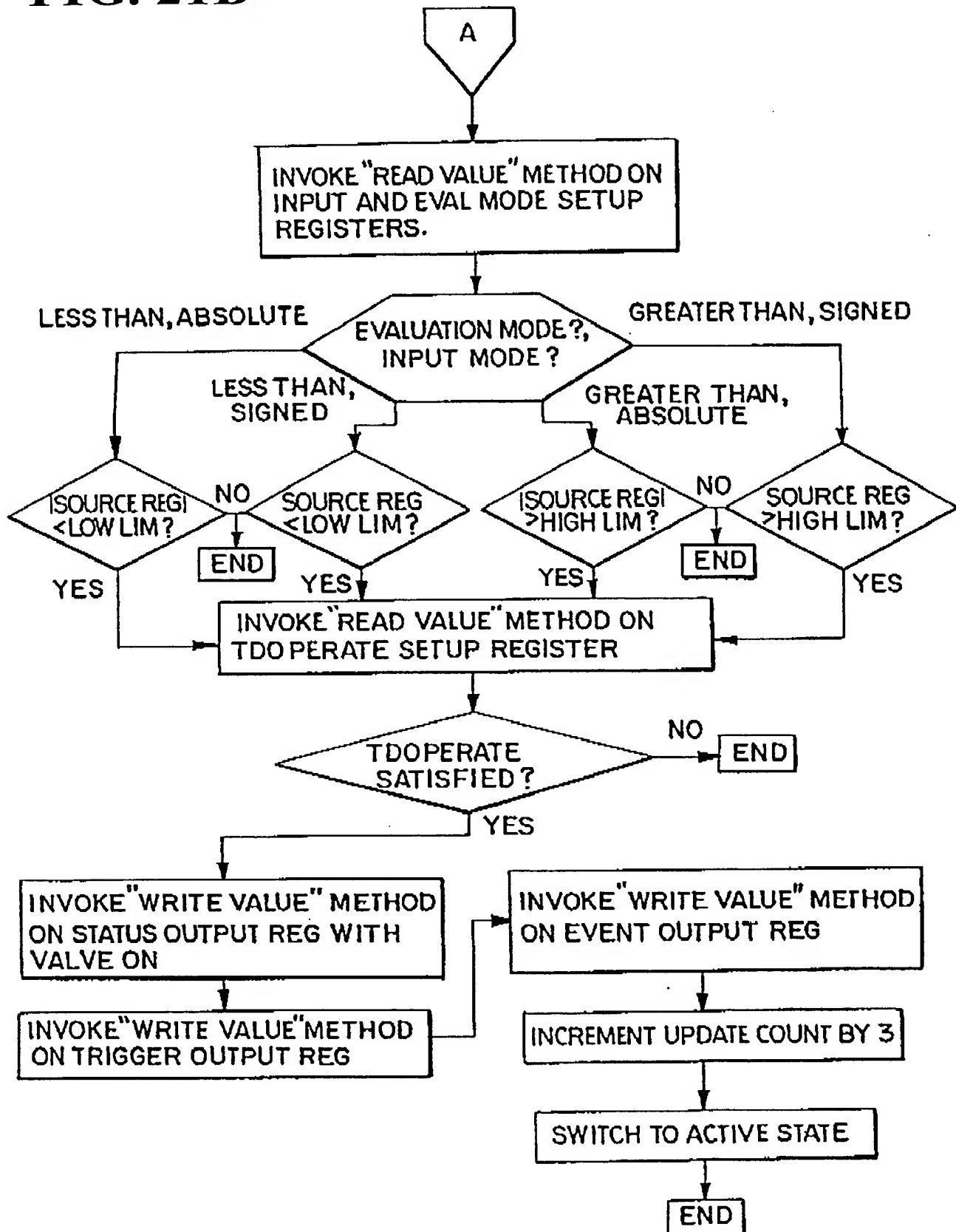


FIG. 21C

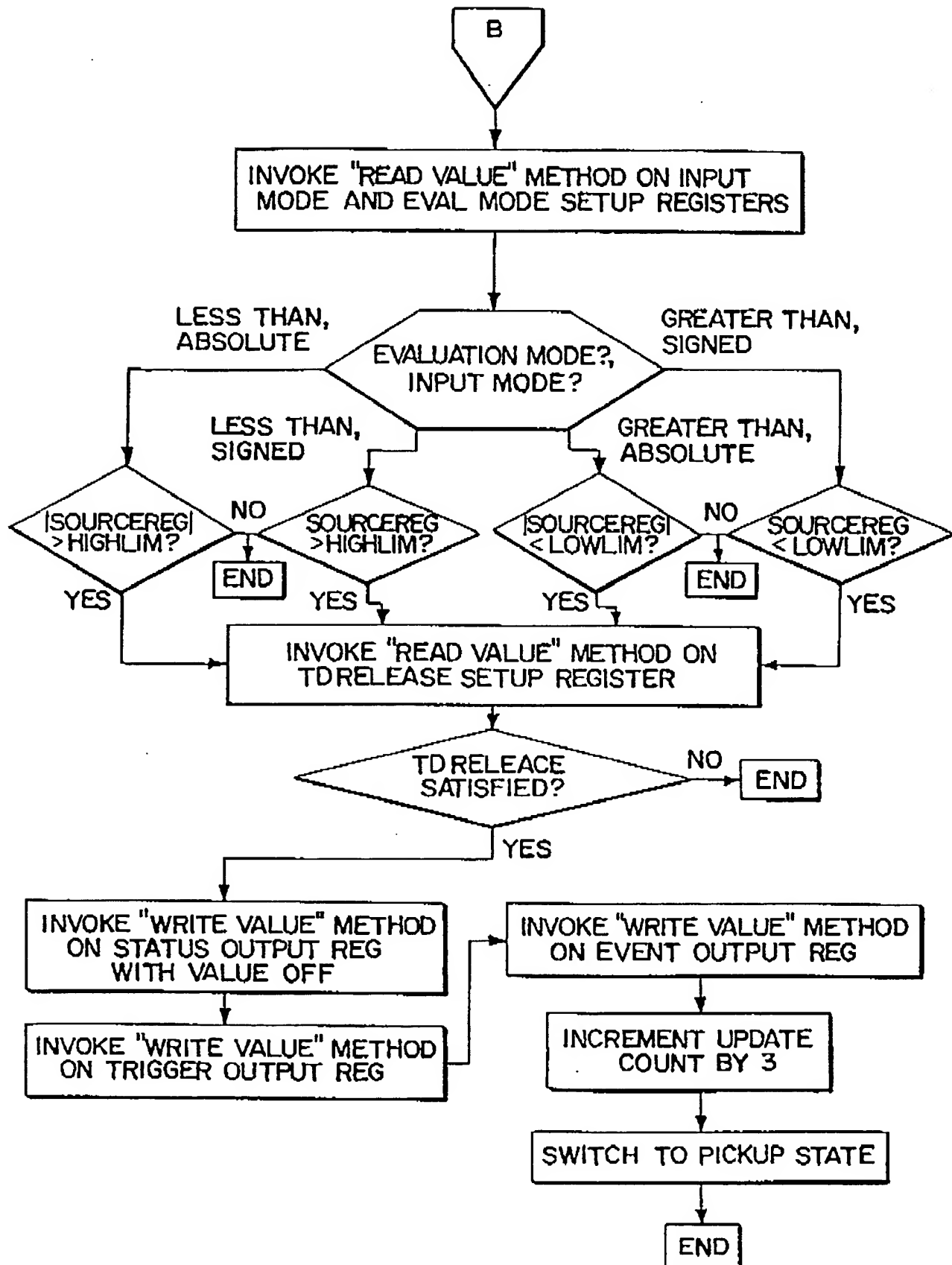


FIG. 22A

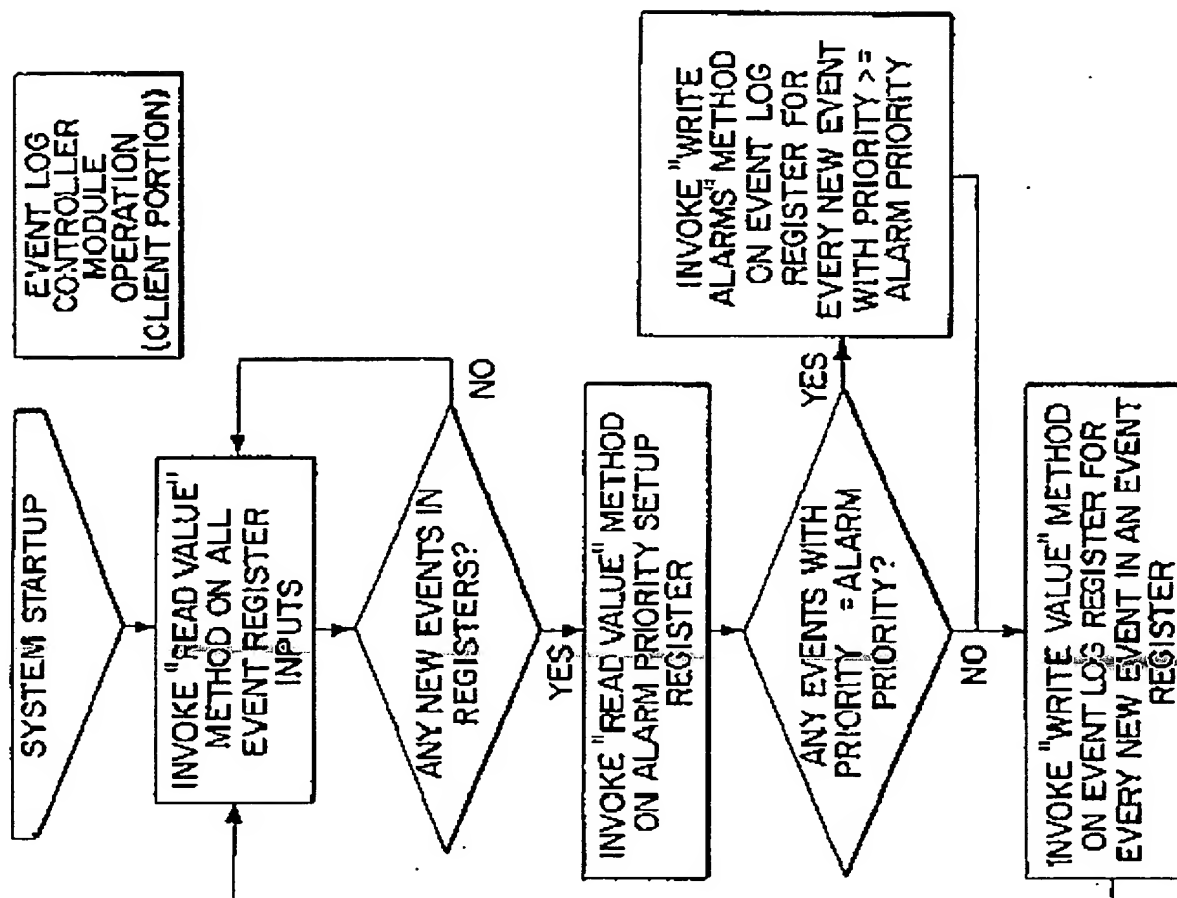


FIG. 22

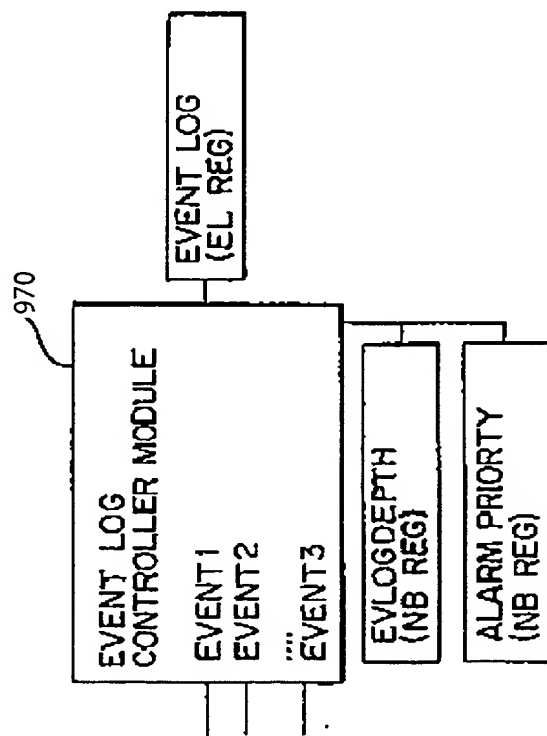


FIG. 24A

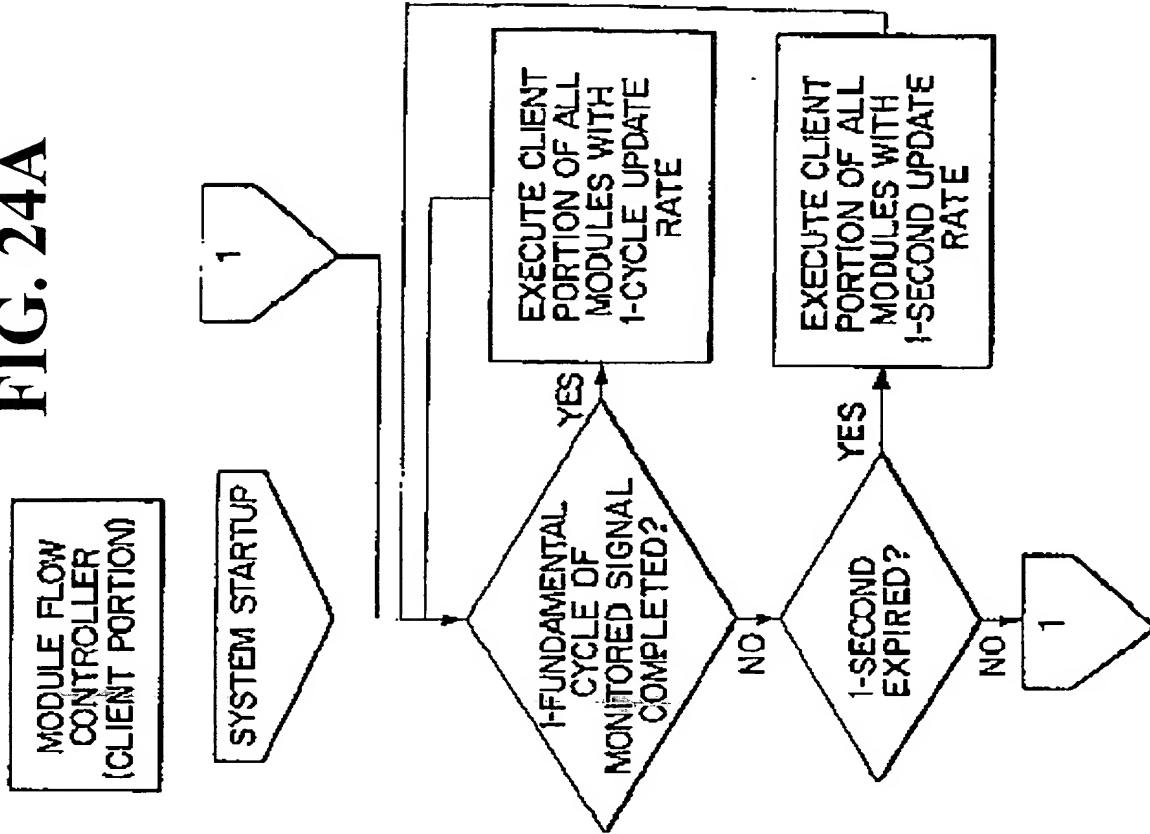


FIG. 23

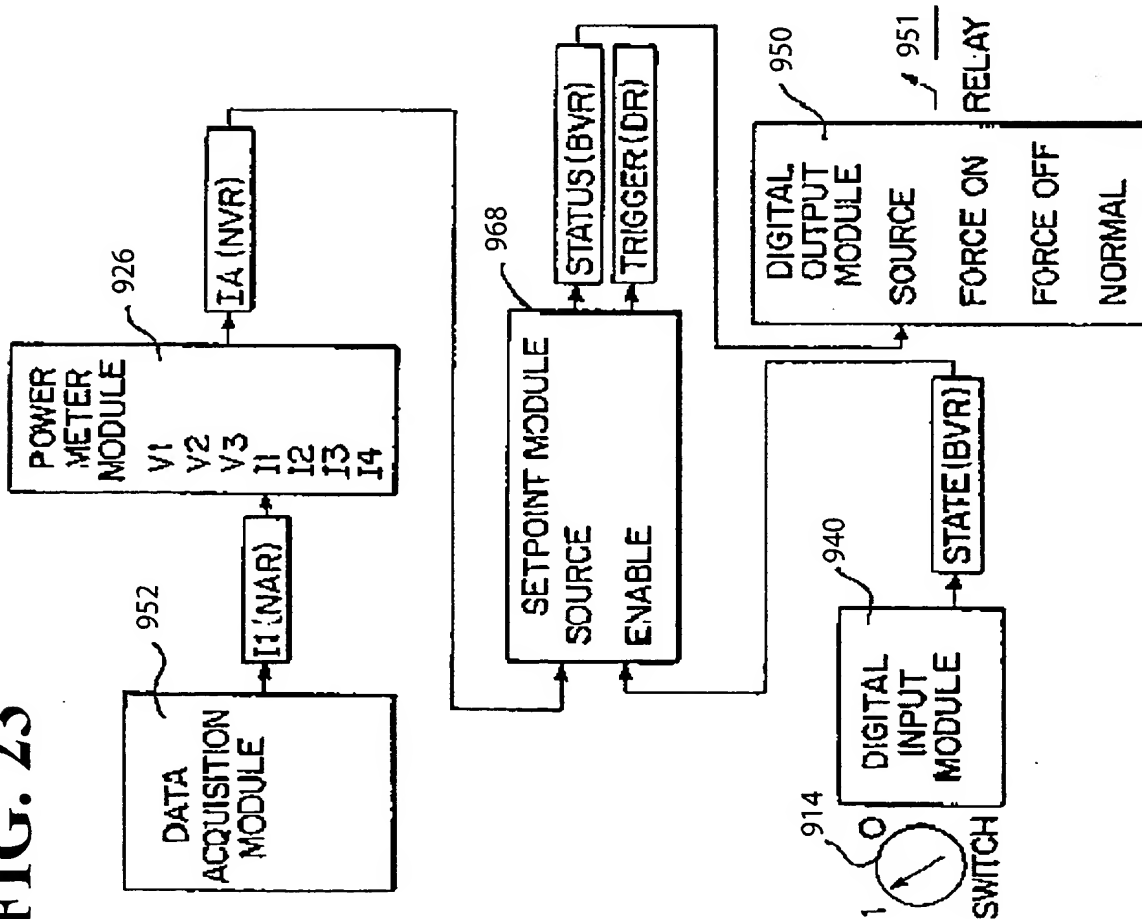


FIG. 25

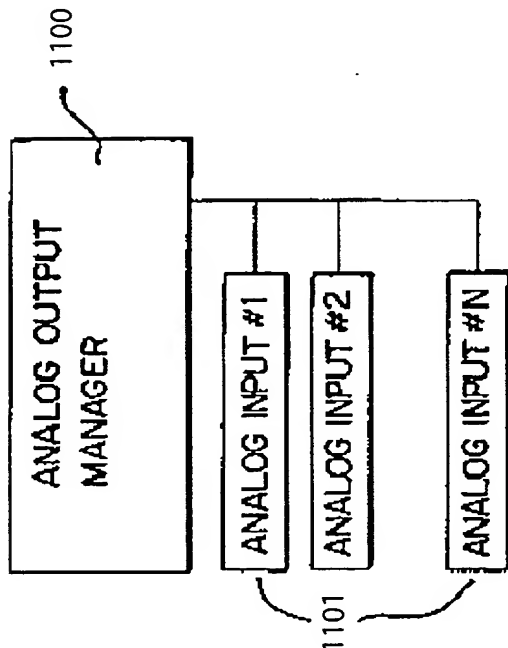


FIG. 24B

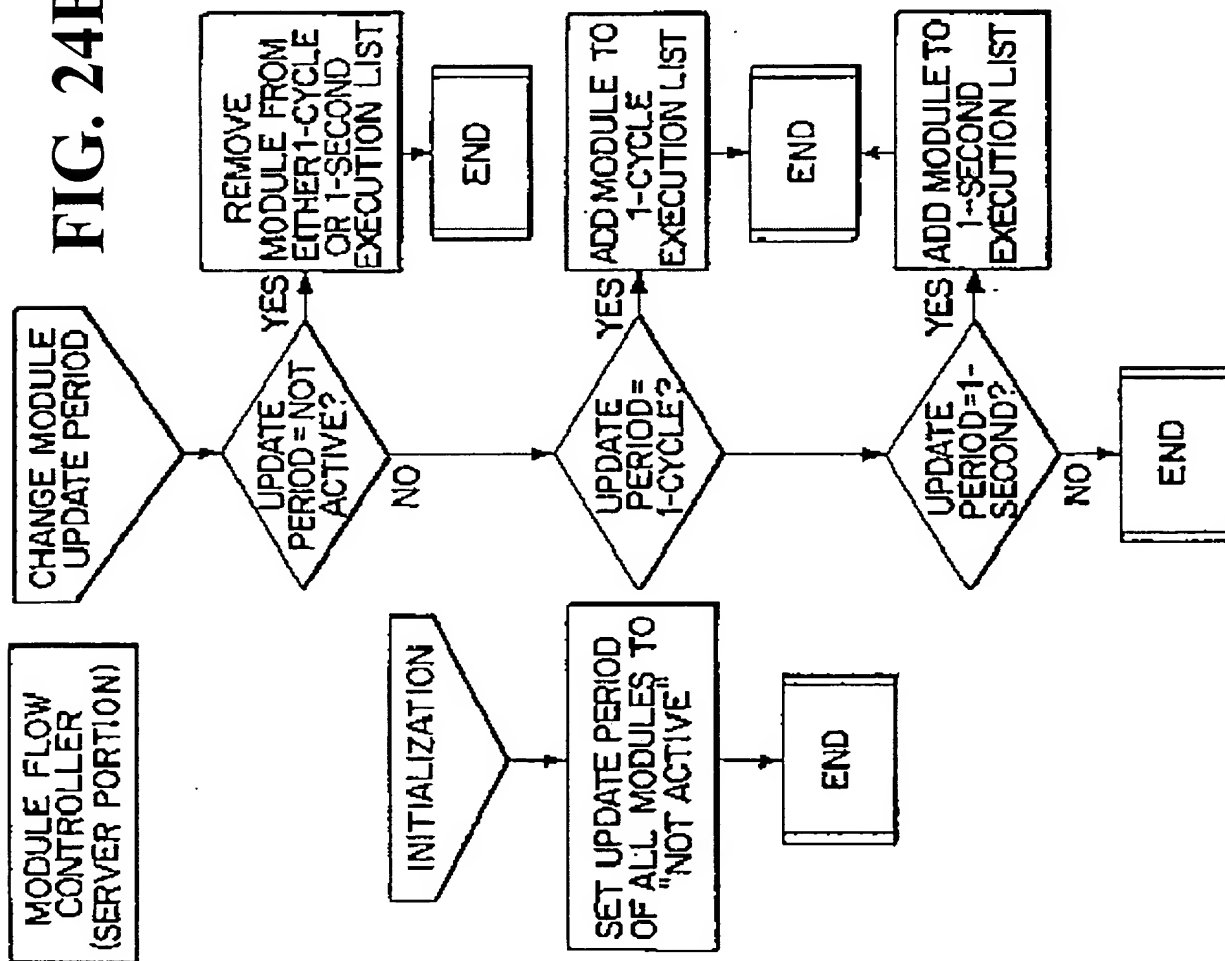


FIG. 25A

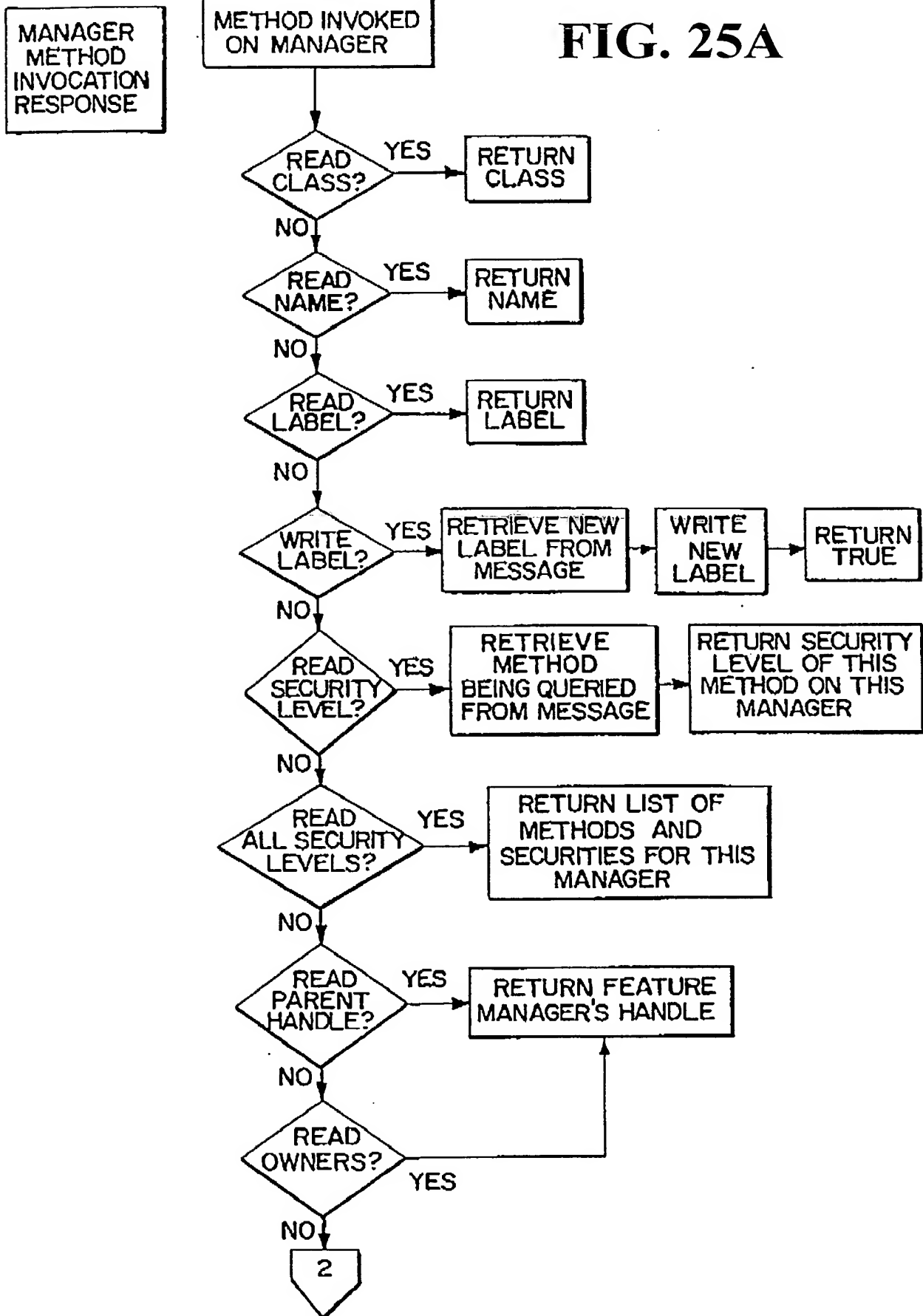


FIG. 25B

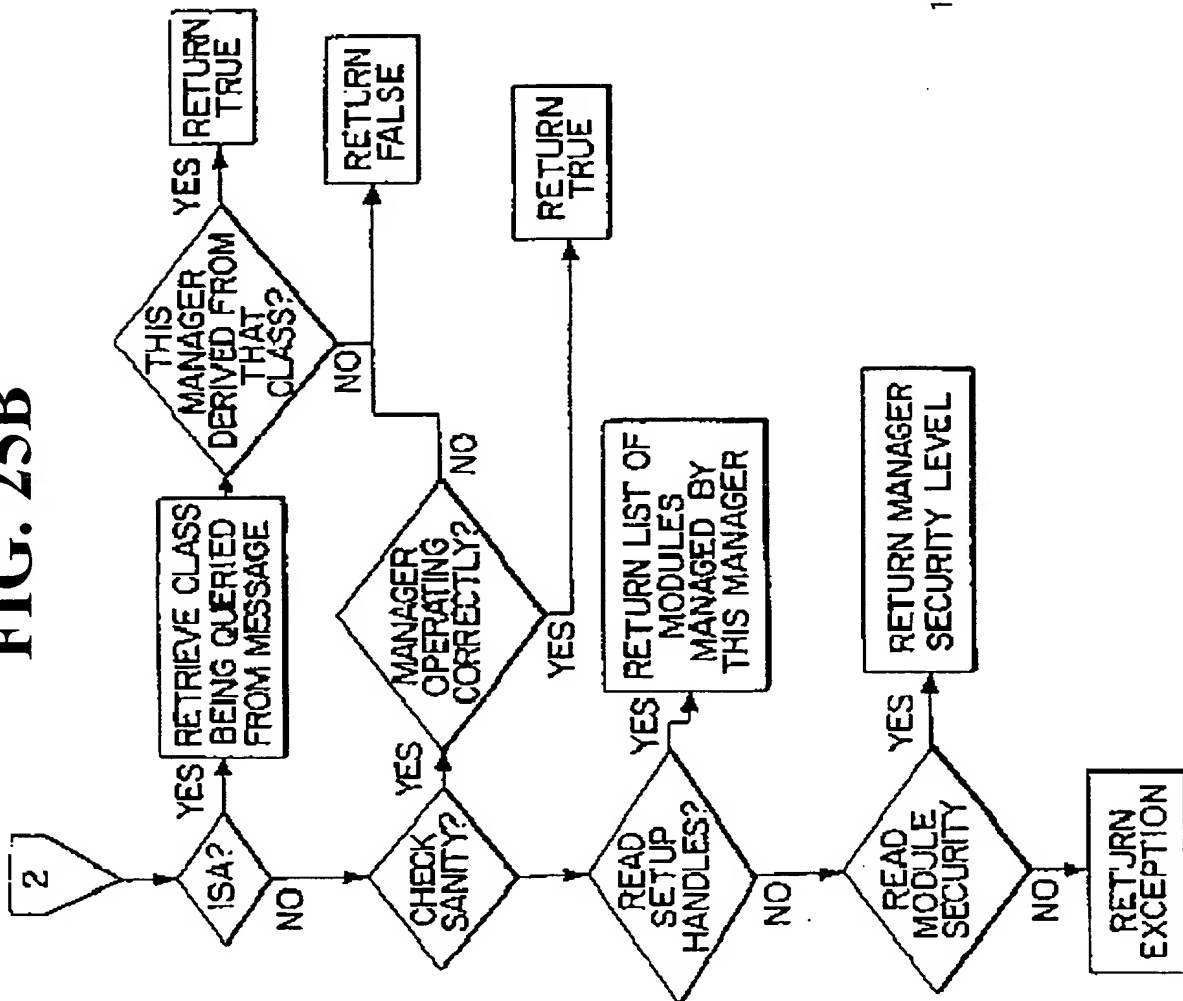
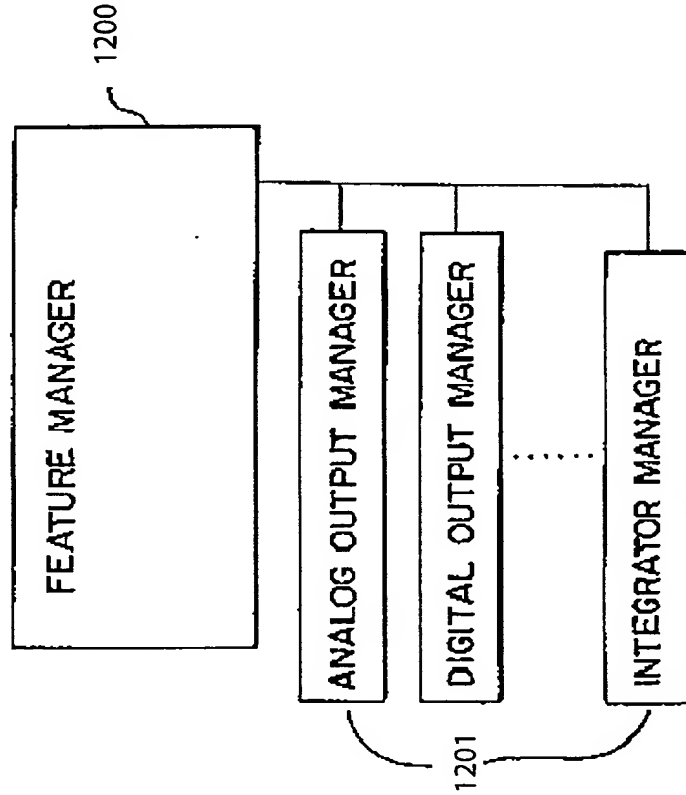


FIG. 26



FEATURE
MANAGER
METHOD
INVOCATION
RESPONSE

FIG. 26A

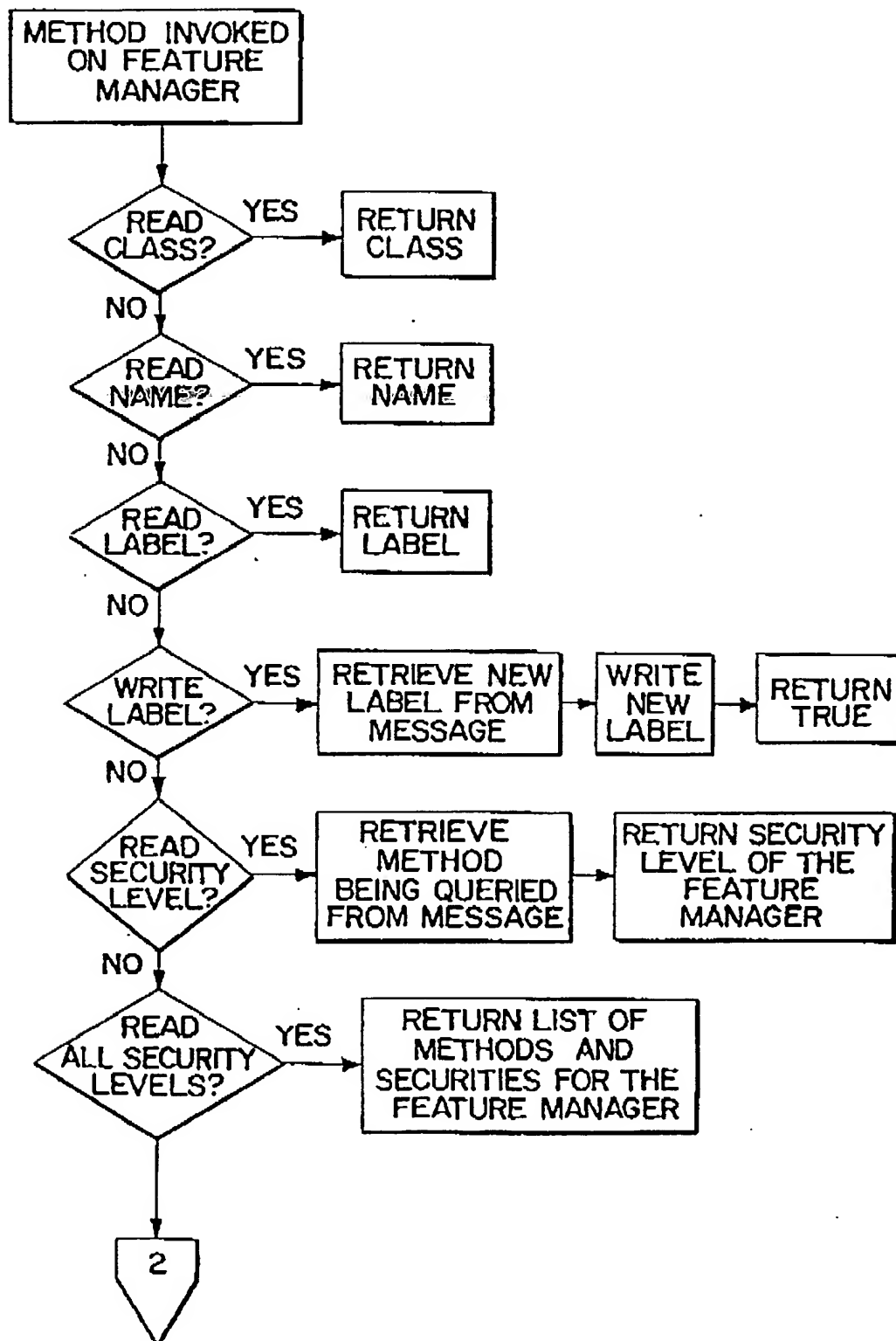
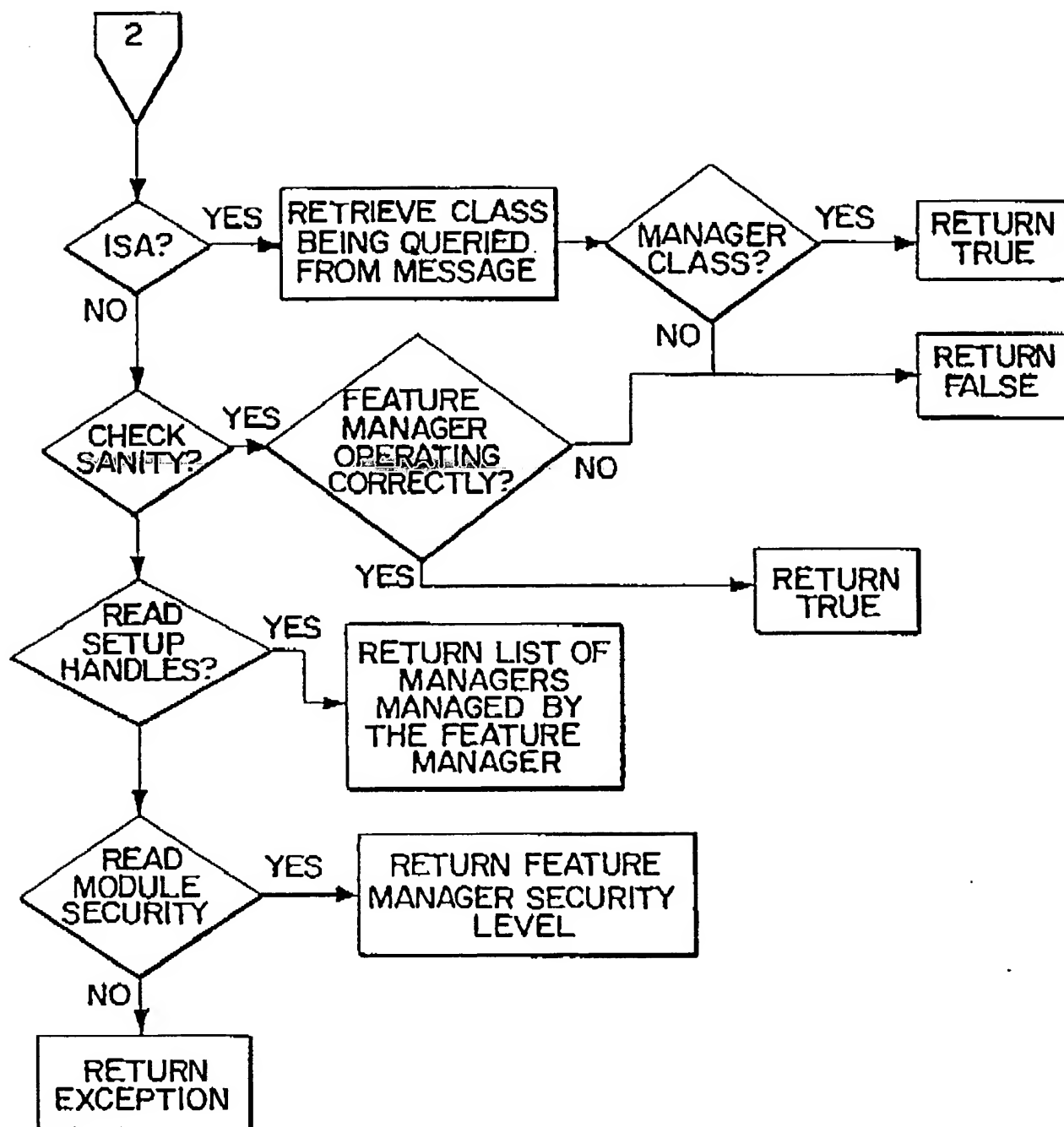


FIG. 26B



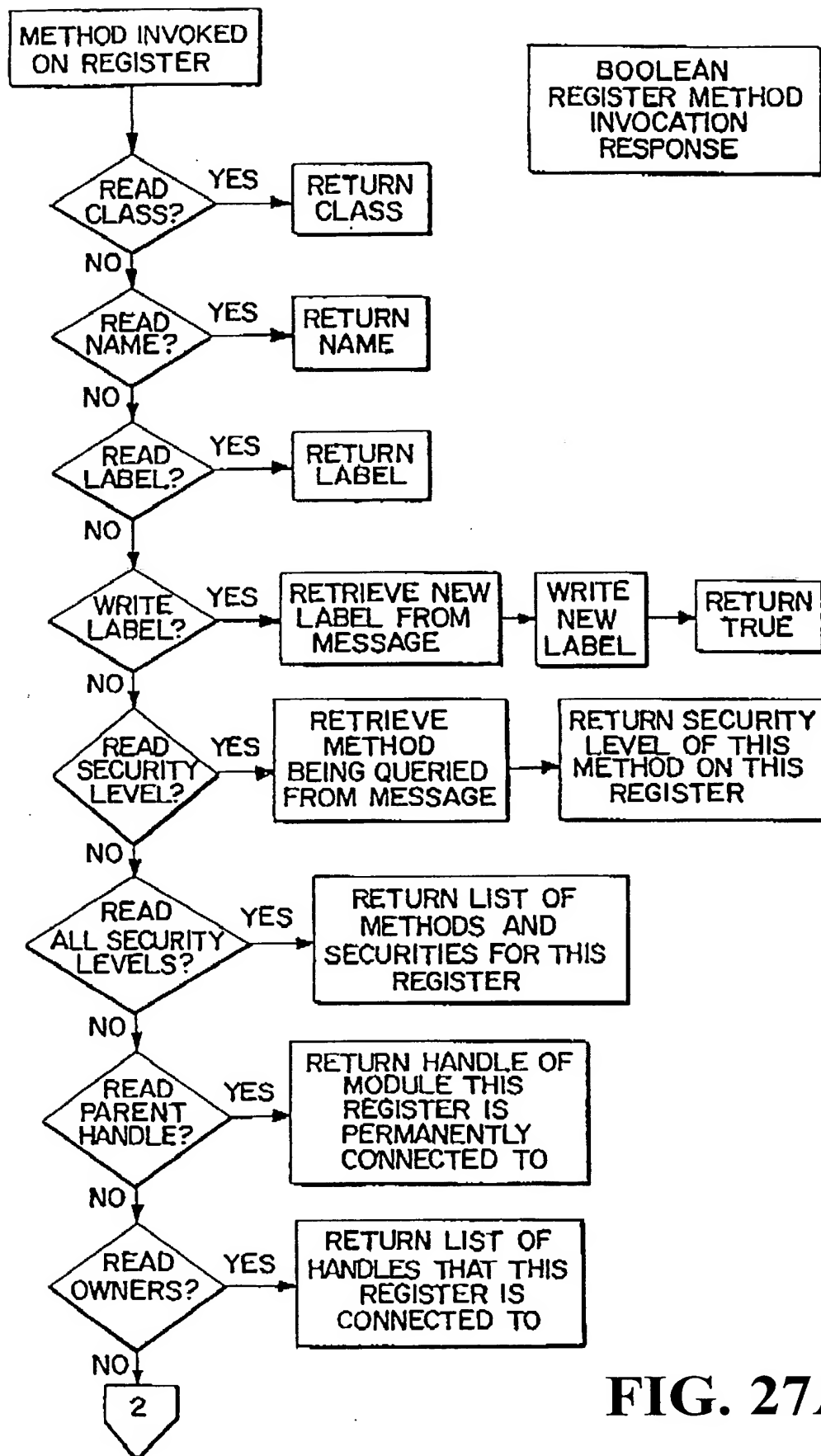


FIG. 27A

FIG. 27B

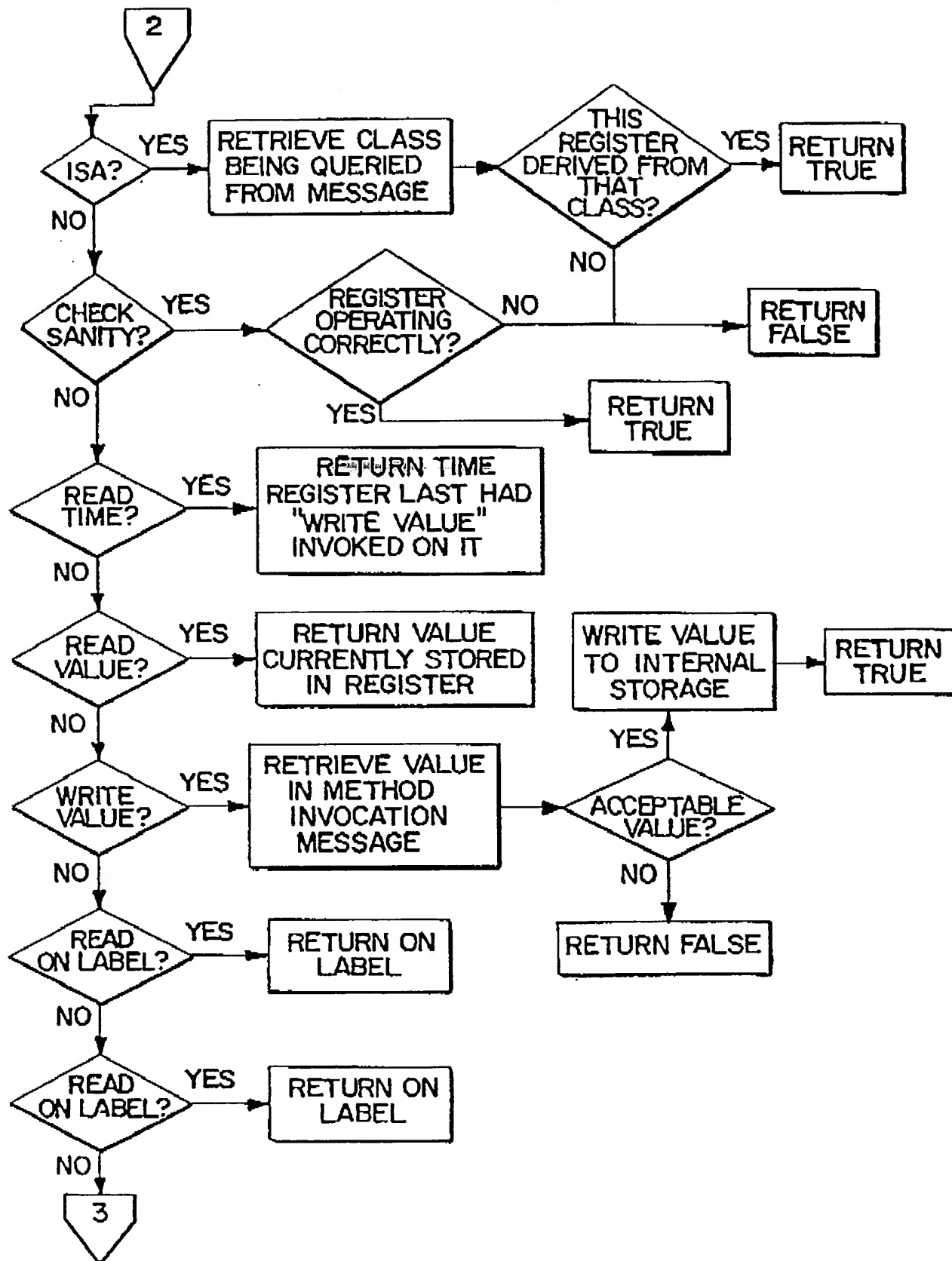


FIG. 27C

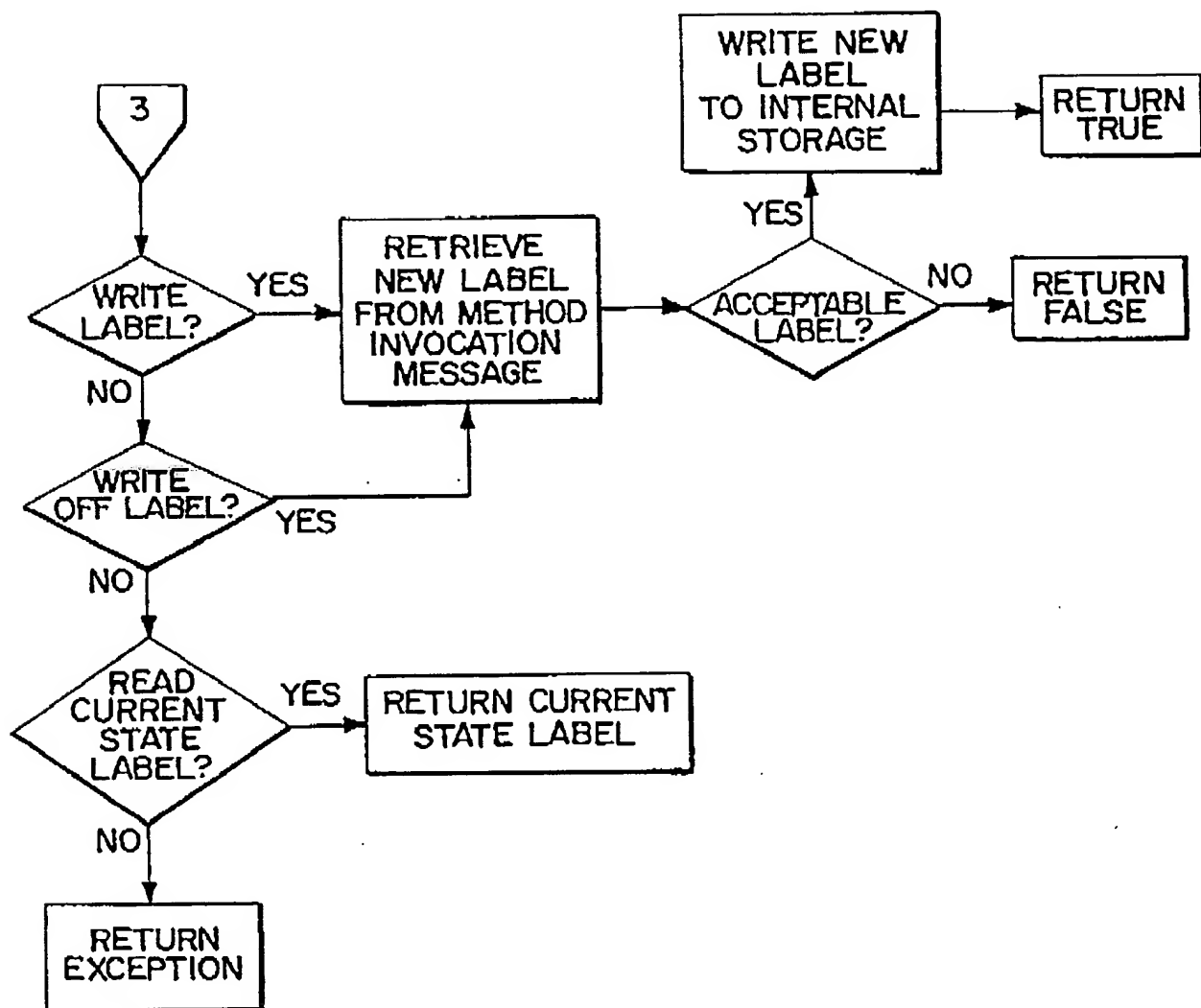


FIG. 28A

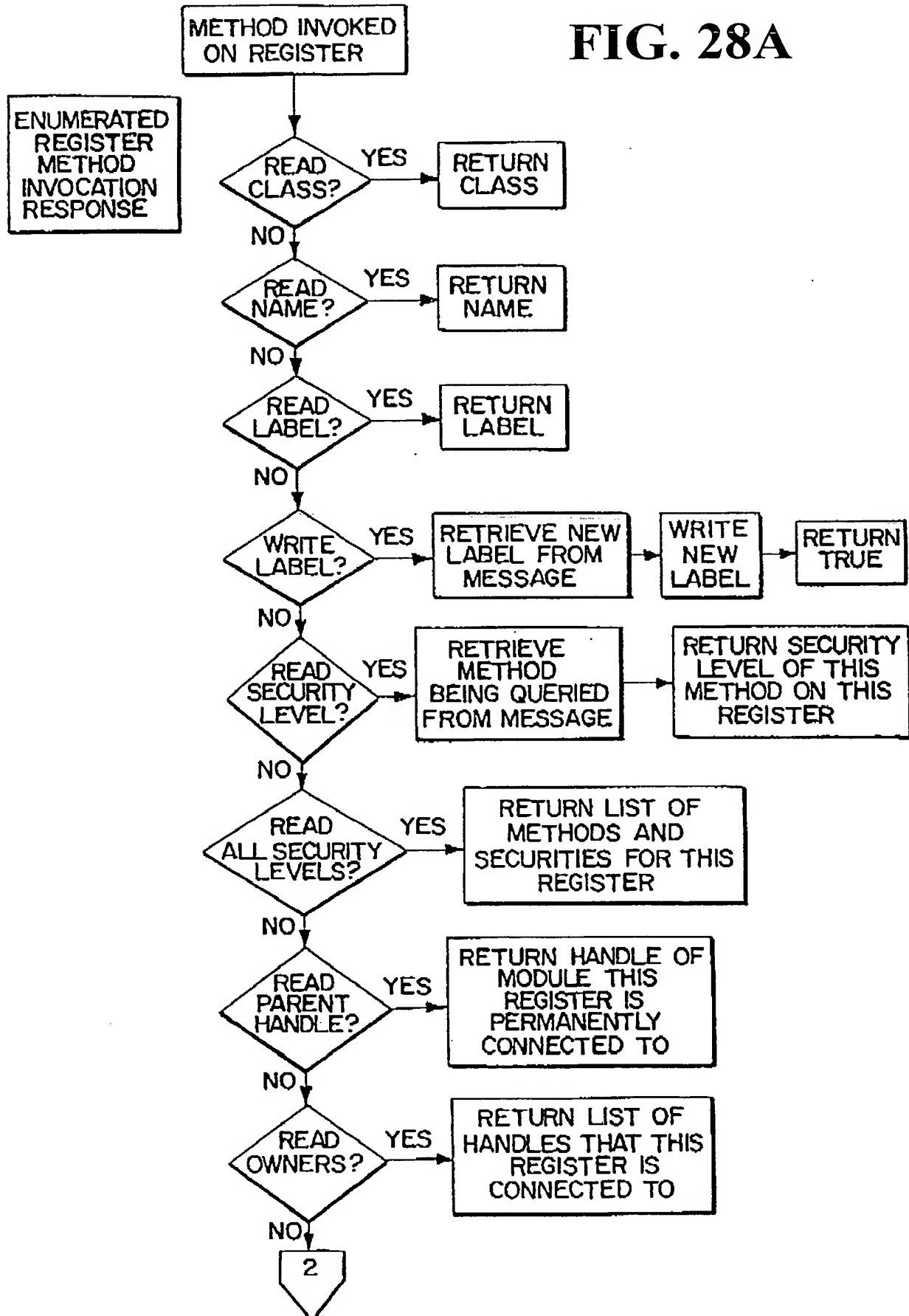


FIG. 28B

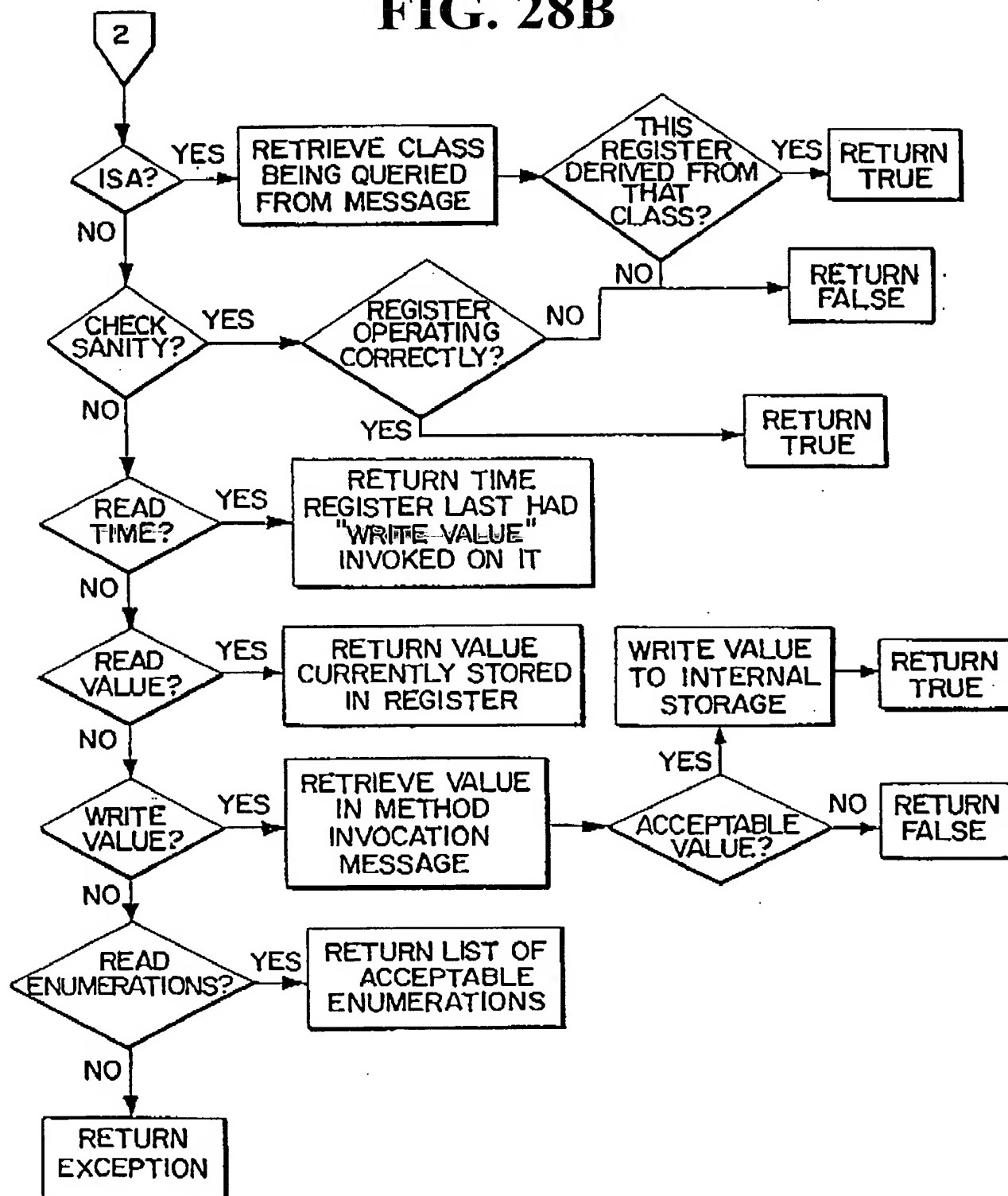


FIG. 29A

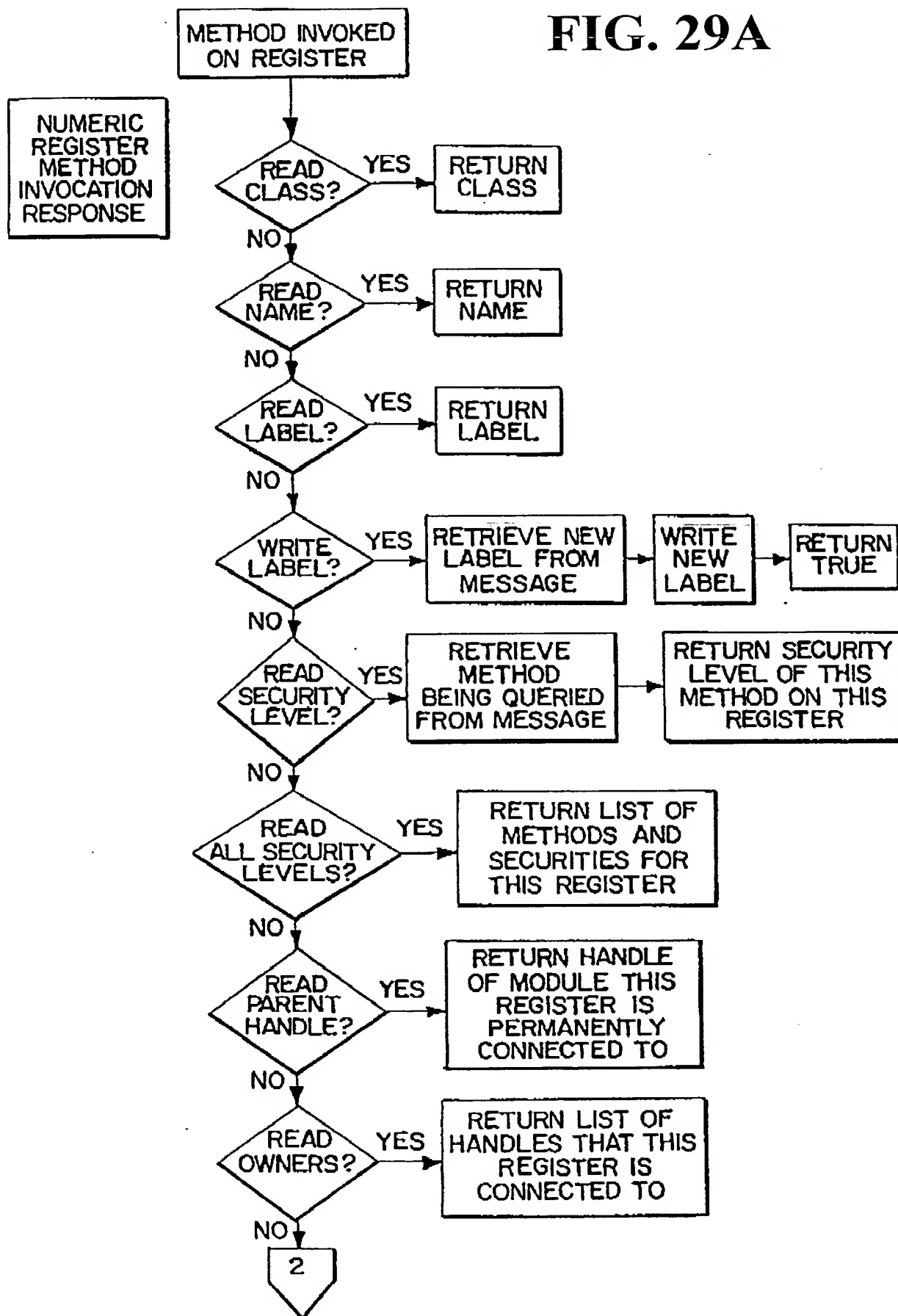


FIG. 29B

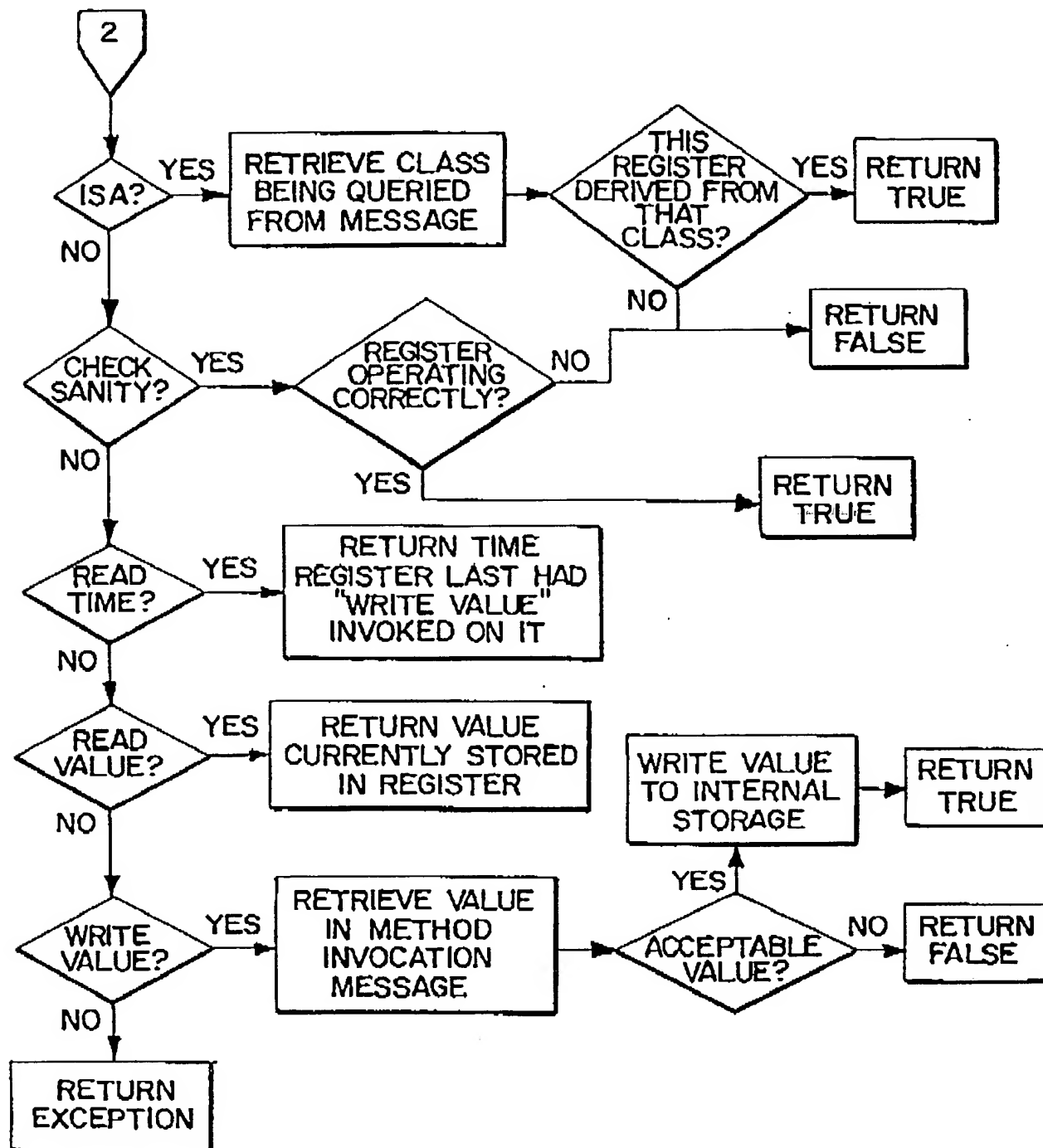


FIG. 30A

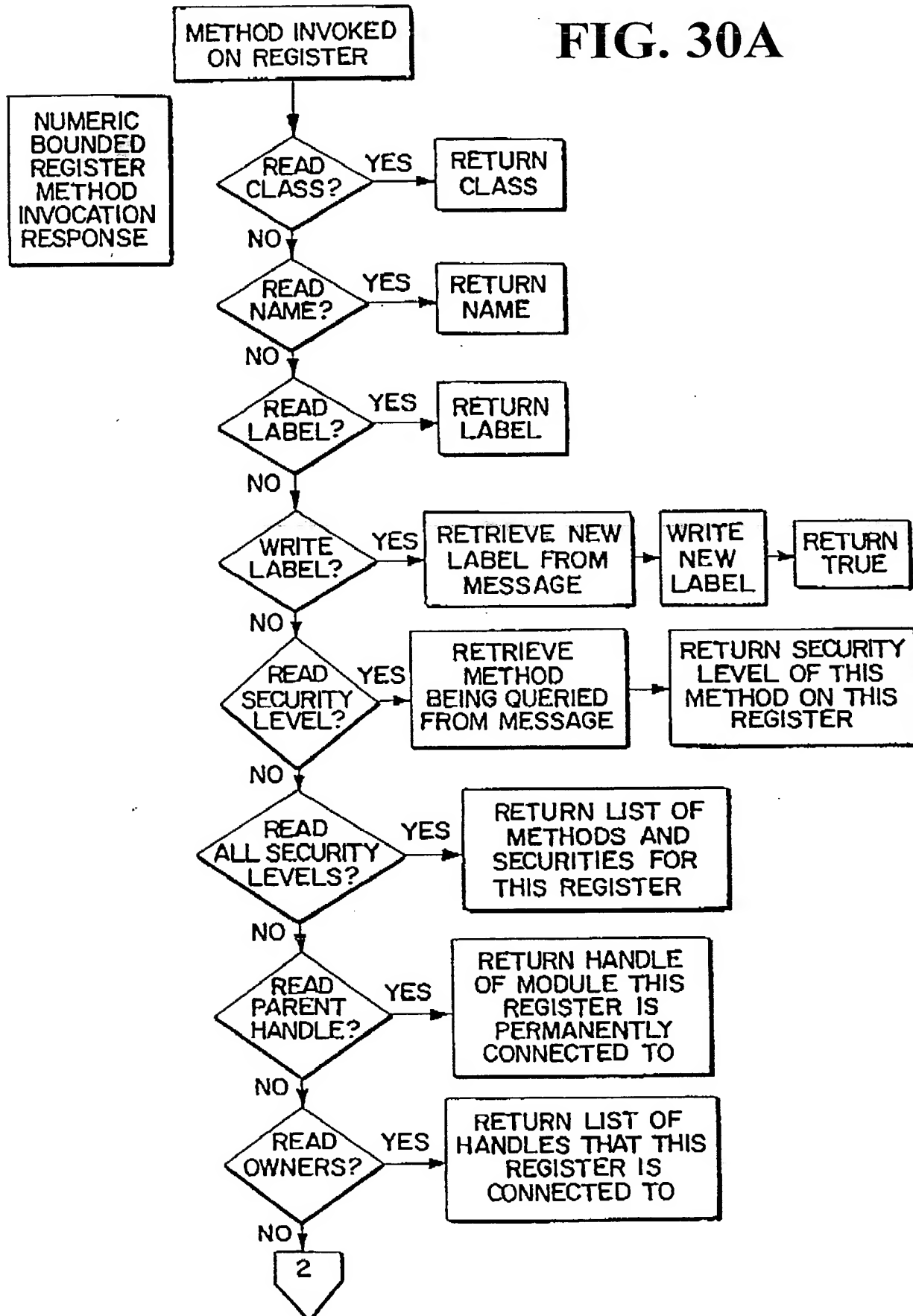


FIG. 30B

